

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 80° Symmetric, down | 90 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U1S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	82	84	86	89
Total Lumens, 4' rail length (1219mm)	8721	8997	9180	9364
Lumens per foot (305mm)	2180	2249	2295	2341
Lumens per foot UP (305mm)	1320	1362	1390	1347
Lumens per foot DOWN (305mm)	860	887	905	877
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.



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U1S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805811 (SOURCE RPEORT 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-U1S7-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
[MORE] symmetric lens up/80° 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	9180
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
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	10420	12793	11963
55	4852	7319	6860
65	2198	3745	3894
75	1100	1879	2336
85	369	698	1114

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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	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5
1.0	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5
3.0	2095.7	2095.7	2095.7	2095.7	2095.7	2095.7	2095.7	2095.7	2095.7	2095.7
5.0	2088.1	2088.1	2088.1	2088.1	2088.1	2088.1	2088.1	2088.1	2088.1	2088.1
7.0	2076.7	2076.7	2076.7	2076.7	2076.7	2076.7	2076.7	2076.7	2076.7	2076.7
9.0	2061.5	2061.5	2059.6	2061.5	2059.6	2059.6	2059.6	2059.6	2059.6	2059.6
11.0	2040.6	2040.6	2040.6	2040.6	2040.6	2040.6	2040.6	2040.6	2040.6	2040.6
13.0	2017.8	2017.8	2015.9	2015.9	2015.9	2015.9	2015.9	2015.9	2015.9	2015.9
15.0	1989.3	1989.3	1989.3	1989.3	1989.3	1987.4	1987.4	1987.4	1987.4	1985.5
17.0	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1	1953.2	1953.2
19.5	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1903.8	1903.8
22.5	1833.5	1833.5	1833.5	1835.4	1835.4	1837.3	1837.3	1835.4	1835.4	1833.5
25.5	1744.2	1744.2	1746.1	1748.0	1749.9	1751.8	1753.7	1753.7	1751.8	1749.9
29.0	1616.9	1616.9	1620.7	1624.5	1628.3	1634.0	1635.9	1637.8	1637.8	1634.0
33.0	1434.5	1436.4	1442.1	1449.7	1459.2	1466.8	1474.4	1480.1	1482.0	1478.2
37.5	1187.5	1189.4	1198.9	1210.3	1225.5	1242.6	1257.8	1267.3	1274.9	1274.9
42.5	879.7	883.5	894.9	912.0	934.8	957.6	980.4	1001.3	1012.7	1018.4
47.5	592.8	594.7	608.0	625.1	647.9	674.5	701.1	727.7	746.7	756.2
55.0	286.9	288.8	296.4	309.7	324.9	345.8	366.7	389.5	408.5	421.8
65.0	100.7	102.6	104.5	110.2	117.8	125.4	134.9	146.3	155.8	165.3
75.0	34.2	34.2	34.2	36.1	38.0	41.8	43.7	47.5	51.3	55.1
85.0	5.7	5.7	5.7	5.7	5.7	7.6	7.6	7.6	7.6	9.5
90.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
95.0	45.6	47.5	47.5	47.5	47.5	47.5	49.4	49.4	49.4	49.4
100.0	119.7	121.6	121.6	121.6	123.5	125.4	127.3	129.2	133.0	134.9
105.0	216.6	216.6	218.5	220.4	222.3	226.1	229.9	233.7	239.4	243.2
110.0	338.2	338.2	340.1	343.9	347.7	353.4	359.1	364.8	372.4	380.0
115.0	488.3	488.3	490.2	494.0	499.7	505.4	514.9	522.5	532.0	541.5
120.0	663.1	663.1	666.9	670.7	678.3	685.9	693.5	704.9	716.3	727.7
125.0	862.6	864.5	866.4	872.1	879.7	887.3	896.8	908.2	921.5	932.9
130.0	1079.2	1079.2	1083.0	1088.7	1094.4	1103.9	1113.4	1124.8	1136.2	1147.6
135.0	1299.6	1301.5	1303.4	1307.2	1314.8	1322.4	1330.0	1339.5	1349.0	1358.5
140.0	1510.5	1510.5	1512.4	1516.2	1520.0	1525.7	1533.3	1539.0	1546.6	1552.3
145.0	1694.8	1694.8	1696.7	1698.6	1702.4	1706.2	1710.0	1713.8	1719.5	1723.3
150.0	1850.6	1850.6	1850.6	1852.5	1854.4	1856.3	1860.1	1862.0	1865.8	1867.7
155.0	1976.0	1976.0	1976.0	1977.9	1977.9	1979.8	1981.7	1983.6	1985.5	1987.4
160.0	2074.8	2076.7	2076.7	2076.7	2076.7	2078.6	2078.6	2080.5	2082.4	2082.4
165.0	2152.7	2152.7	2152.7	2152.7	2152.7	2154.6	2154.6	2156.5	2156.5	2158.4
170.0	2207.8	2207.8	2207.8	2207.8	2209.7	2209.7	2209.7	2209.7	2211.6	2211.6
175.0	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9
180.0	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2

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	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5
1.0	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5	2099.5
3.0	2095.7	2095.7	2095.7	2095.7	2095.7	2095.7	2095.7	2095.7	2095.7
5.0	2088.1	2088.1	2088.1	2088.1	2088.1	2088.1	2088.1	2088.1	2088.1
7.0	2076.7	2074.8	2074.8	2074.8	2074.8	2074.8	2074.8	2074.8	2074.8
9.0	2059.6	2059.6	2059.6	2059.6	2059.6	2059.6	2059.6	2057.7	2057.7
11.0	2038.7	2038.7	2038.7	2038.7	2038.7	2036.8	2036.8	2036.8	2036.8
13.0	2014.0	2014.0	2014.0	2012.1	2012.1	2012.1	2012.1	2010.2	2010.2
15.0	1985.5	1985.5	1983.6	1981.7	1981.7	1981.7	1979.8	1979.8	1979.8

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CANDELA TABULATION - (Cont.)

17.0	1951.3	1949.4	1947.5	1947.5	1945.6	1943.7	1943.7	1941.8	1943.7
19.5	1901.9	1898.1	1896.2	1894.3	1892.4	1890.5	1888.6	1886.7	1886.7
22.5	1829.7	1825.9	1822.1	1818.3	1814.5	1812.6	1810.7	1808.8	1806.9
25.5	1744.2	1740.4	1734.7	1729.0	1723.3	1719.5	1715.7	1713.8	1711.9
29.0	1628.3	1622.6	1615.0	1605.5	1597.9	1590.3	1586.5	1582.7	1580.8
33.0	1472.5	1463.0	1451.6	1440.2	1428.8	1417.4	1409.8	1406.0	1404.1
37.5	1267.3	1255.9	1242.6	1225.5	1210.3	1197.0	1185.6	1179.9	1178.0
42.5	1014.6	1003.2	986.1	967.1	950.0	932.9	921.5	913.9	912.0
47.5	756.2	748.6	733.4	716.3	697.3	682.1	668.8	663.1	661.2
55.0	427.5	425.6	418.0	406.6	393.3	381.9	374.3	368.6	366.7
65.0	169.1	171.0	171.0	167.2	163.4	159.6	155.8	153.9	153.9
75.0	57.0	58.9	60.8	58.9	58.9	58.9	57.0	57.0	57.0
85.0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
90.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
95.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
100.0	136.8	138.7	142.5	142.5	144.4	146.3	146.3	146.3	144.4
105.0	248.9	252.7	258.4	262.2	264.1	266.0	267.9	267.9	267.9
110.0	387.6	395.2	400.9	406.6	410.4	414.2	416.1	416.1	416.1
115.0	551.0	560.5	568.1	575.7	581.4	585.2	587.1	589.0	589.0
120.0	739.1	750.5	760.0	767.6	773.3	777.1	780.9	782.8	782.8
125.0	946.2	957.6	967.1	974.7	980.4	984.2	988.0	989.9	991.8
130.0	1159.0	1170.4	1178.0	1185.6	1191.3	1197.0	1198.9	1202.7	1202.7
135.0	1366.1	1375.6	1383.2	1388.9	1394.6	1398.4	1402.2	1406.0	1406.0
140.0	1559.9	1565.6	1571.3	1575.1	1580.8	1584.6	1588.4	1590.3	1592.2
145.0	1727.1	1732.8	1736.6	1740.4	1744.2	1748.0	1749.9	1753.7	1753.7
150.0	1871.5	1875.3	1877.2	1881.0	1882.9	1886.7	1890.5	1892.4	1892.4
155.0	1989.3	1991.2	1995.0	1996.9	1998.8	2002.6	2004.5	2006.4	2006.4
160.0	2084.3	2086.2	2088.1	2091.9	2093.8	2095.7	2095.7	2097.6	2097.6
165.0	2158.4	2160.3	2162.2	2164.1	2164.1	2166.0	2167.9	2167.9	2167.9
170.0	2211.6	2213.5	2213.5	2215.4	2215.4	2215.4	2217.3	2217.3	2217.3
175.0	2245.8	2245.8	2245.8	2245.8	2245.8	2245.8	2245.8	2245.8	2245.8
180.0	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	721.73	N.A.	7.90
0-30	1474.66	N.A.	16.10
0-40	2201.81	N.A.	24.00
0-60	3243.52	N.A.	35.30
0-80	3587.85	N.A.	39.10
0-90	3621.8	N.A.	39.50
10-90	3460.88	N.A.	37.70
20-40	1480.08	N.A.	16.10
20-50	2182.62	N.A.	23.80
40-70	1286.1	N.A.	14.00
60-80	344.34	N.A.	3.80
70-80	99.94	N.A.	1.10
80-90	33.94	N.A.	0.40
90-110	327.75	N.A.	3.60
90-120	868.30	N.A.	9.50
90-130	1702.11	N.A.	18.50
90-150	3820.75	N.A.	41.60
90-180	5558.62	N.A.	60.50
110-180	5230.87	N.A.	57.00
0-180	9180.42	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	160.91
10-20	560.82
20-30	752.93
30-40	727.15
40-50	702.54
50-60	339.17
60-70	244.39
70-80	99.94
80-90	33.94
90-100	64.05
100-110	263.70
110-120	540.54
120-130	833.81
130-140	1043.21
140-150	1075.44
150-160	915.56
160-170	609.05
170-180	213.26

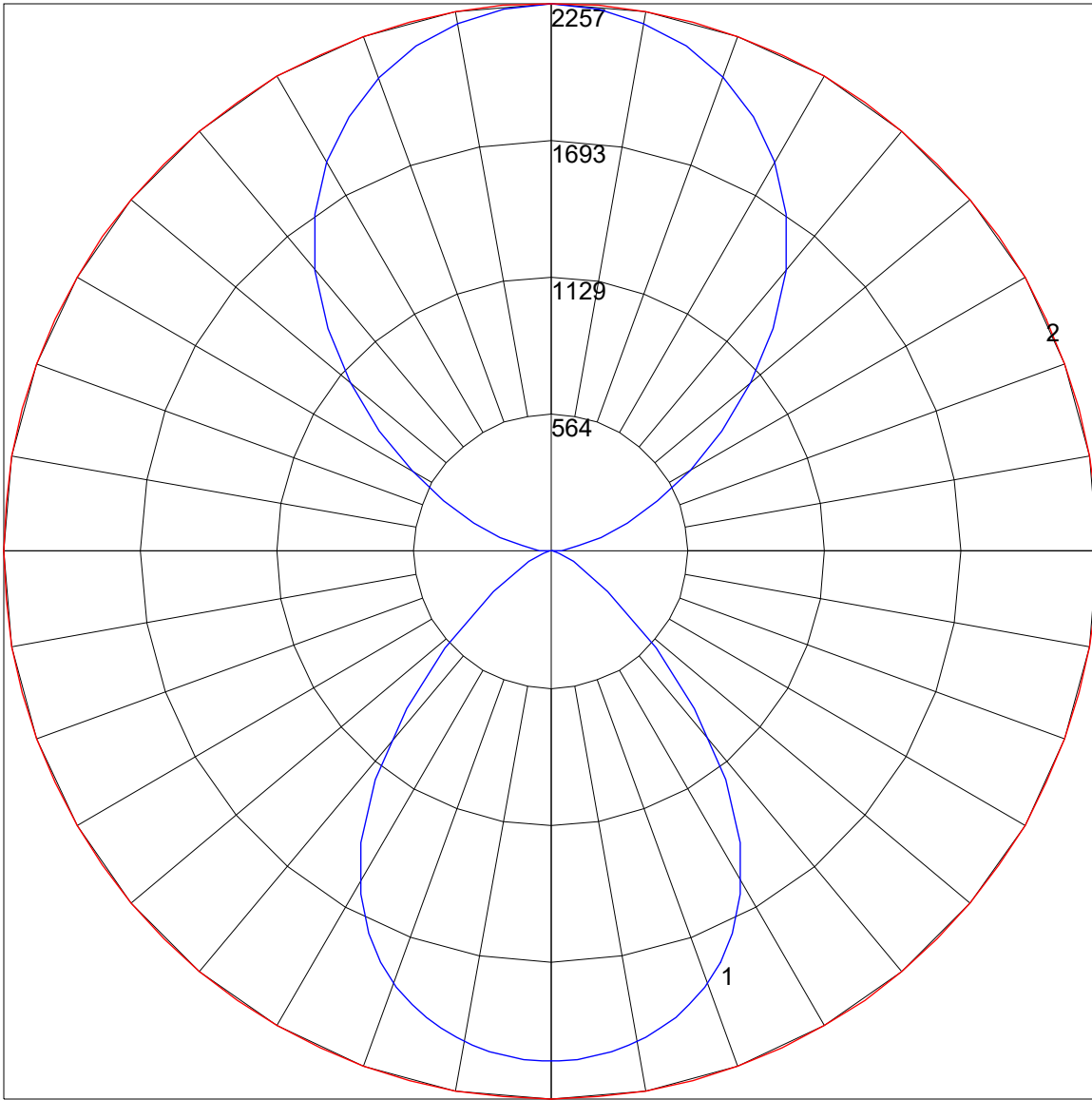
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	92	89	85	87	84	81	78	69	67	65	55	54	52	42	41	41	35
2	88	81	76	71	80	74	70	66	61	58	55	49	47	45	38	37	35	30
3	81	72	65	60	74	66	60	56	55	51	47	44	41	39	34	33	31	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	31	29	27	24
5	69	58	50	45	62	53	47	42	44	39	36	36	33	30	29	26	24	21
6	63	52	44	39	58	48	41	36	40	35	32	33	29	27	26	24	22	19
7	59	47	40	34	53	44	37	32	37	32	28	30	27	24	24	22	20	17
8	55	43	36	31	50	40	33	29	34	29	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	26	31	26	23	26	22	19	21	18	16	14
10	48	36	29	25	43	33	27	23	28	24	20	24	20	18	19	17	15	13

POLAR GRAPH



Maximum Candela = 2257.2 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.)