

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	91	94	96	100
Total Lumens, 4' rail length (1219mm)	9796	10105	10311	10414
Lumens per foot (305mm)	2449	2526	2578	2604
Lumens per foot UP (305mm)	1456	1502	1533	1548
Lumens per foot DOWN (305mm)	992	1024	1045	1055
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_U1S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010921 (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-U1S7-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens

[MORE] 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	10311
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
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	0.03 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11241	13719	13608
55	5763	7993	8276
65	2884	4292	5012
75	1493	2304	3191
85	586	909	1877

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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	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3
5	2342.7	2340.8	2340.8	2340.8	2340.8	2342.7	2340.8	2340.8	2340.8	2340.8
10	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5	2306.6	2306.6	2306.6
15	2247.7	2247.7	2247.7	2247.7	2245.8	2247.7	2245.8	2245.8	2243.9	2242.0
20	2147.0	2147.0	2147.0	2147.0	2147.0	2147.0	2147.0	2147.0	2145.1	2143.2
25	1996.9	1996.9	1998.8	2000.7	2004.5	2006.4	2008.3	2008.3	2008.3	2006.4
30	1786.0	1787.9	1791.7	1797.4	1805.0	1812.6	1818.3	1822.1	1824.0	1822.1
35	1506.7	1508.6	1516.2	1527.6	1542.8	1556.1	1569.4	1580.8	1586.5	1588.4
40	1179.9	1183.7	1195.1	1210.3	1231.2	1252.1	1273.0	1292.0	1305.3	1312.9
45	853.1	856.9	868.3	885.4	908.2	934.8	959.5	984.2	1003.2	1014.6
50	575.7	577.6	589.0	604.2	625.1	647.9	672.6	697.3	718.2	731.5
55	370.5	372.4	380.0	391.4	408.5	427.5	446.5	467.4	484.5	495.9
60	233.7	235.6	241.3	248.9	260.3	273.6	286.9	300.2	313.5	323.0
65	146.3	148.2	152.0	155.8	163.4	172.9	180.5	190.0	199.5	207.1
70	91.2	91.2	93.1	96.9	100.7	106.4	112.1	117.8	123.5	127.3
75	53.2	53.2	55.1	57.0	58.9	62.7	66.5	70.3	72.2	76.0
80	28.5	28.5	28.5	30.4	30.4	32.3	34.2	36.1	38.0	39.9
85	11.4	11.4	11.4	11.4	13.3	13.3	13.3	15.2	15.2	15.2
90	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
95	55.1	55.1	55.1	55.1	57.0	57.0	57.0	58.9	58.9	58.9
100	125.4	125.4	127.3	129.2	133.0	136.8	142.5	148.2	153.9	159.6
105	243.2	243.2	245.1	248.9	252.7	258.4	264.1	269.8	275.5	279.3
110	380.0	381.9	383.8	387.6	391.4	397.1	404.7	410.4	418.0	425.6
115	541.5	543.4	545.3	549.1	556.7	562.4	571.9	581.4	592.8	606.1
120	733.4	733.4	737.2	742.9	750.5	760.0	771.4	784.7	798.0	809.4
125	953.8	955.7	959.5	965.2	974.7	984.2	993.7	1007.0	1018.4	1031.7
130	1189.4	1191.3	1193.2	1198.9	1206.5	1216.0	1225.5	1236.9	1248.3	1259.7
135	1423.1	1425.0	1426.9	1432.6	1438.3	1445.9	1455.4	1464.9	1476.3	1485.8
140	1645.4	1645.4	1647.3	1651.1	1656.8	1662.5	1670.1	1679.6	1687.2	1696.7
145	1843.0	1844.9	1846.8	1848.7	1852.5	1858.2	1863.9	1871.5	1879.1	1886.7
150	2015.9	2015.9	2015.9	2019.7	2021.6	2025.4	2031.1	2036.8	2042.5	2048.2
155	2158.4	2158.4	2160.3	2162.2	2164.1	2167.9	2169.8	2175.5	2179.3	2183.1
160	2274.3	2274.3	2276.2	2276.2	2278.1	2280.0	2281.9	2285.7	2287.6	2291.4
165	2361.7	2361.7	2363.6	2363.6	2365.5	2365.5	2367.4	2369.3	2369.3	2371.2
170	2422.5	2422.5	2422.5	2424.4	2424.4	2424.4	2424.4	2426.3	2426.3	2426.3
175	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7
180	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3

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	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3
5	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8
10	2306.6	2304.7	2304.7	2304.7	2304.7	2302.8	2302.8	2302.8	2302.8
15	2242.0	2240.1	2238.2	2236.3	2234.4	2234.4	2232.5	2232.5	2232.5
20	2141.3	2137.5	2133.7	2129.9	2128.0	2124.2	2122.3	2120.4	2120.4
25	2002.6	1996.9	1991.2	1983.6	1977.9	1972.2	1968.4	1966.5	1964.6
30	1818.3	1810.7	1801.2	1791.7	1782.2	1772.7	1765.1	1761.3	1759.4
35	1584.6	1577.0	1565.6	1552.3	1539.0	1525.7	1516.2	1510.5	1506.7
40	1312.9	1305.3	1292.0	1276.8	1259.7	1244.5	1233.1	1225.5	1221.7
45	1018.4	1012.7	1003.2	986.1	970.9	955.7	942.4	934.8	932.9
50	737.2	735.3	727.7	716.3	703.0	689.7	680.2	674.5	672.6
55	503.5	503.5	499.7	492.1	484.5	475.0	469.3	463.6	461.7
60	328.7	330.6	328.7	326.8	321.1	317.3	313.5	311.6	309.7

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CANDELA TABULATION - (Cont.)

65	210.9	212.8	212.8	212.8	210.9	209.0	207.1	207.1	207.1
70	131.1	133.0	134.9	134.9	134.9	134.9	134.9	133.0	133.0
75	77.9	79.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7
80	41.8	41.8	43.7	43.7	43.7	43.7	43.7	43.7	43.7
85	15.2	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
90	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
95	60.8	62.7	66.5	68.4	70.3	68.4	70.3	70.3	68.4
100	163.4	165.3	167.2	169.1	171.0	172.9	172.9	172.9	172.9
105	285.0	288.8	294.5	298.3	302.1	304.0	305.9	305.9	304.0
110	435.1	444.6	452.2	457.9	461.7	463.6	465.5	465.5	465.5
115	617.5	627.0	636.5	642.2	647.9	651.7	653.6	655.5	655.5
120	822.7	832.2	841.7	851.2	858.8	862.6	866.4	870.2	870.2
125	1043.1	1054.5	1065.9	1075.4	1084.9	1090.6	1096.3	1100.1	1100.1
130	1273.0	1284.4	1295.8	1307.2	1316.7	1324.3	1330.0	1333.8	1333.8
135	1497.2	1508.6	1520.0	1531.4	1540.9	1548.5	1554.2	1558.0	1558.0
140	1708.1	1717.6	1727.1	1736.6	1744.2	1751.8	1757.5	1761.3	1761.3
145	1894.3	1903.8	1911.4	1919.0	1924.7	1930.4	1934.2	1938.0	1938.0
150	2053.9	2061.5	2067.2	2072.9	2076.7	2082.4	2084.3	2086.2	2086.2
155	2186.9	2192.6	2196.4	2200.2	2204.0	2205.9	2207.8	2209.7	2209.7
160	2293.3	2295.2	2299.0	2300.9	2302.8	2304.7	2304.7	2306.6	2306.6
165	2373.1	2375.0	2375.0	2376.9	2376.9	2378.8	2378.8	2378.8	2378.8
170	2426.3	2428.2	2428.2	2428.2	2428.2	2430.1	2430.1	2430.1	2430.1
175	2456.7	2458.6	2458.6	2458.6	2458.6	2458.6	2458.6	2458.6	2458.6
180	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U1S7_BL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	853.02	N.A.	8.30
0-30	1766.07	N.A.	17.10
0-40	2726.37	N.A.	26.40
0-60	3883.04	N.A.	37.70
0-80	4159.11	N.A.	40.30
0-90	4178.57	N.A.	40.50
10-90	3956.25	N.A.	38.40
20-40	1873.36	N.A.	18.20
20-50	2610.86	N.A.	25.30
40-70	1353.54	N.A.	13.10
60-80	276.07	N.A.	2.70
70-80	79.20	N.A.	0.80
80-90	19.46	N.A.	0.20
90-110	375.60	N.A.	3.60
90-120	978.12	N.A.	9.50
90-130	1900.24	N.A.	18.40
90-150	4225.22	N.A.	41.00
90-180	6132.57	N.A.	59.50
110-180	5756.97	N.A.	55.80
0-180	10311.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	222.32
10-20	630.70
20-30	913.06
30-40	960.30
40-50	737.51
50-60	419.16
60-70	196.87
70-80	79.20
80-90	19.46
90-100	76.42
100-110	299.18
110-120	602.53
120-130	922.12
130-140	1146.21
140-150	1178.77
150-160	1005.01
160-170	668.78
170-180	233.55

IES INDOOR REPORT

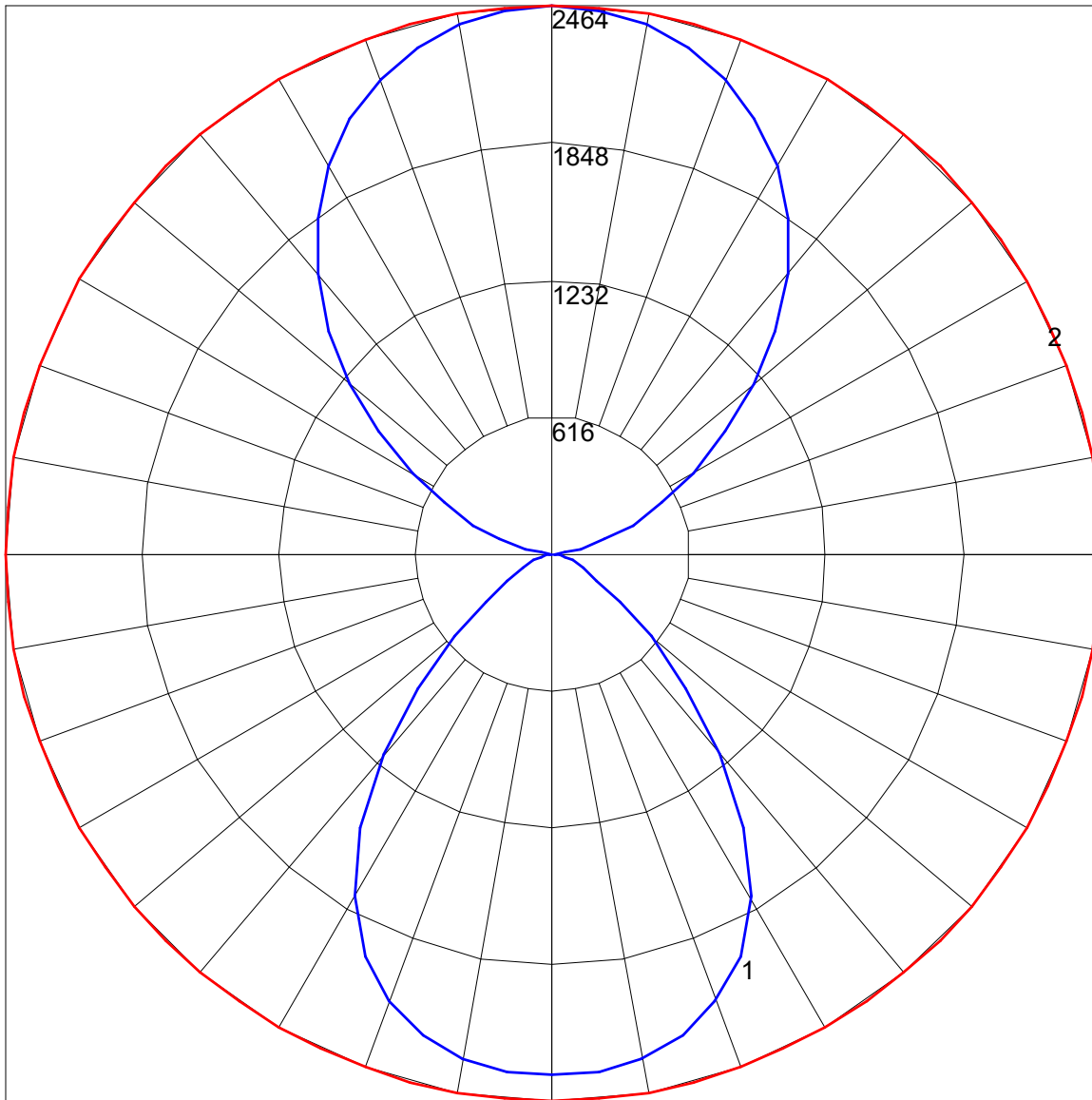
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U1S7_BL.IES

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	97	93	89	86	88	85	82	79	70	68	66	56	55	54	43	43	42	36
2	89	82	77	72	81	75	71	67	62	59	56	50	48	46	39	38	37	32
3	82	73	66	61	74	67	61	57	56	52	48	46	43	40	36	34	33	28
4	75	65	58	53	68	60	54	49	50	46	42	41	38	35	33	31	29	25
5	69	59	51	46	63	54	48	43	45	41	37	37	34	31	30	28	26	22
6	64	53	45	40	59	49	42	38	41	36	33	34	31	28	27	25	23	20
7	59	48	41	35	54	44	38	33	38	33	29	31	28	25	25	23	21	18
8	55	44	37	32	51	41	34	30	34	30	26	29	25	23	23	21	19	17
9	52	40	33	28	47	37	31	27	32	27	24	27	23	20	22	19	17	15
10	48	37	30	26	44	34	28	24	29	25	21	25	21	19	20	18	16	14

POLAR GRAPH



Maximum Candela = 2464.3 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.)