

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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	92	95	97	101
Total Lumens, 4' rail length (1219mm)	9824	10134	10341	10548
Lumens per foot (305mm)	2456	2534	2585	2637
Lumens per foot UP (305mm)	1417	1462	1492	1446
Lumens per foot DOWN (305mm)	1039	1072	1093	1060
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](#).

* R9: ~74 @ 3500K



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U1S7_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805805R01 (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-U1S7-AL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
[MORE] symmetric lens up/80° symmetric 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	10341
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	107.19
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)	0.25 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	12100	15519	14795
55	6105	9594	10344
65	3484	5595	7451
75	2200	3305	5218
85	985	1257	2674

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	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6
1.0	2342.7	2342.7	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6
3.0	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8
5.0	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2
7.0	2321.8	2321.8	2321.8	2321.8	2321.8	2321.8	2321.8	2323.7	2323.7	2323.7
9.0	2306.6	2306.6	2306.6	2306.6	2306.6	2306.6	2308.5	2308.5	2308.5	2308.5
11.0	2287.6	2287.6	2287.6	2287.6	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5
13.0	2264.8	2264.8	2264.8	2264.8	2264.8	2266.7	2266.7	2266.7	2266.7	2268.6
15.0	2236.3	2236.3	2236.3	2238.2	2238.2	2238.2	2240.1	2240.1	2240.1	2240.1
17.0	2202.1	2202.1	2204.0	2204.0	2205.9	2205.9	2207.8	2207.8	2207.8	2207.8
19.5	2152.7	2152.7	2152.7	2154.6	2156.5	2158.4	2160.3	2160.3	2160.3	2160.3
22.5	2078.6	2078.6	2080.5	2082.4	2086.2	2088.1	2090.0	2091.9	2091.9	2090.0
25.5	1985.5	1985.5	1989.3	1993.1	1996.9	2002.6	2006.4	2008.3	2006.4	2004.5
29.0	1848.7	1850.6	1854.4	1862.0	1871.5	1879.1	1884.8	1888.6	1888.6	1884.8
33.0	1647.3	1651.1	1658.7	1672.0	1685.3	1700.5	1711.9	1721.4	1723.3	1721.4
37.5	1366.1	1369.9	1383.2	1402.2	1426.9	1451.6	1474.4	1491.5	1501.0	1501.0
42.5	1016.5	1022.2	1037.4	1062.1	1096.3	1130.5	1164.7	1193.2	1212.2	1221.7
47.5	693.5	699.2	714.4	739.1	771.4	809.4	847.4	885.4	913.9	931.0
55.0	361.0	364.8	374.3	391.4	414.2	440.8	471.2	501.6	530.1	552.9
65.0	159.6	161.5	165.3	171.0	178.6	190.0	203.3	218.5	233.7	247.0
75.0	68.4	68.4	68.4	70.3	74.1	77.9	81.7	85.5	91.2	96.9
85.0	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	17.1	17.1
90.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
95.0	53.2	53.2	53.2	55.1	55.1	55.1	55.1	57.0	57.0	57.0
100.0	142.5	142.5	142.5	142.5	144.4	146.3	146.3	148.2	150.1	152.0
105.0	250.8	250.8	252.7	254.6	256.5	260.3	262.2	266.0	269.8	273.6
110.0	387.6	389.5	389.5	393.3	395.2	400.9	404.7	410.4	416.1	421.8
115.0	551.0	551.0	554.8	556.7	562.4	566.2	573.8	581.4	589.0	596.6
120.0	739.1	739.1	742.9	746.7	750.5	758.1	765.7	773.3	782.8	792.3
125.0	948.1	950.0	951.9	955.7	961.4	969.0	976.6	986.1	997.5	1008.9
130.0	1172.3	1172.3	1176.1	1179.9	1185.6	1193.2	1200.8	1212.2	1221.7	1233.1
135.0	1396.5	1398.4	1400.3	1404.1	1409.8	1417.4	1425.0	1434.5	1442.1	1451.6
140.0	1613.1	1613.1	1615.0	1618.8	1622.6	1628.3	1634.0	1641.6	1647.3	1653.0
145.0	1805.0	1805.0	1806.9	1808.8	1810.7	1814.5	1818.3	1822.1	1825.9	1829.7
150.0	1964.6	1964.6	1966.5	1966.5	1968.4	1970.3	1972.2	1974.1	1976.0	1979.8
155.0	2093.8	2093.8	2093.8	2093.8	2095.7	2095.7	2097.6	2099.5	2101.4	2103.3
160.0	2194.5	2194.5	2194.5	2196.4	2196.4	2196.4	2198.3	2200.2	2200.2	2202.1
165.0	2272.4	2272.4	2274.3	2274.3	2274.3	2276.2	2276.2	2278.1	2280.0	2280.0
170.0	2333.2	2333.2	2333.2	2333.2	2335.1	2335.1	2335.1	2337.0	2337.0	2338.9
175.0	2373.1	2373.1	2373.1	2373.1	2373.1	2375.0	2375.0	2375.0	2375.0	2375.0
180.0	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3

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	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6
1.0	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6	2344.6
3.0	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8
5.0	2333.2	2333.2	2333.2	2333.2	2335.1	2335.1	2335.1	2335.1	2335.1
7.0	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7
9.0	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5	2308.5
11.0	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5
13.0	2266.7	2266.7	2266.7	2266.7	2266.7	2264.8	2264.8	2264.8	2264.8
15.0	2240.1	2240.1	2238.2	2238.2	2236.3	2236.3	2236.3	2234.4	2234.4

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U1S7_AL.IES

CANDELA TABULATION - (Cont.)

17.0	2207.8	2205.9	2204.0	2204.0	2202.1	2200.2	2200.2	2198.3	2198.3
19.5	2158.4	2156.5	2154.6	2150.8	2148.9	2147.0	2143.2	2143.2	2141.3
22.5	2088.1	2082.4	2078.6	2072.9	2069.1	2065.3	2061.5	2059.6	2057.7
25.5	2000.7	1995.0	1987.4	1979.8	1972.2	1964.6	1960.8	1957.0	1955.1
29.0	1879.1	1869.6	1858.2	1846.8	1835.4	1825.9	1818.3	1814.5	1812.6
33.0	1711.9	1698.6	1683.4	1666.3	1651.1	1637.8	1626.4	1620.7	1618.8
37.5	1491.5	1476.3	1455.4	1436.4	1415.5	1398.4	1385.1	1377.5	1375.6
42.5	1216.0	1202.7	1183.7	1162.8	1141.9	1124.8	1111.5	1102.0	1098.2
47.5	934.8	929.1	915.8	898.7	883.5	868.3	856.9	851.2	847.4
55.0	568.1	575.7	577.6	573.8	568.1	562.4	556.7	554.8	552.9
65.0	262.2	273.6	281.2	288.8	292.6	294.5	294.5	294.5	294.5
75.0	104.5	110.2	115.9	119.7	123.5	125.4	127.3	127.3	127.3
85.0	19.0	19.0	20.9	20.9	22.8	22.8	22.8	22.8	22.8
90.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
95.0	57.0	57.0	58.9	58.9	57.0	57.0	57.0	57.0	57.0
100.0	153.9	155.8	157.7	159.6	159.6	161.5	161.5	161.5	161.5
105.0	277.4	281.2	285.0	288.8	292.6	294.5	294.5	296.4	296.4
110.0	429.4	435.1	440.8	446.5	450.3	454.1	456.0	457.9	457.9
115.0	604.2	613.7	619.4	627.0	632.7	636.5	640.3	642.2	642.2
120.0	803.7	813.2	820.8	828.4	836.0	839.8	845.5	847.4	849.3
125.0	1018.4	1029.8	1039.3	1046.9	1052.6	1058.3	1064.0	1067.8	1069.7
130.0	1242.6	1252.1	1259.7	1267.3	1274.9	1280.6	1286.3	1290.1	1292.0
135.0	1461.1	1466.8	1474.4	1480.1	1485.8	1491.5	1499.1	1502.9	1504.8
140.0	1658.7	1664.4	1670.1	1675.8	1679.6	1685.3	1692.9	1696.7	1698.6
145.0	1833.5	1837.3	1843.0	1846.8	1852.5	1858.2	1862.0	1865.8	1867.7
150.0	1981.7	1985.5	1989.3	1993.1	1996.9	2002.6	2006.4	2010.2	2012.1
155.0	2105.2	2109.0	2110.9	2114.7	2118.5	2122.3	2126.1	2129.9	2129.9
160.0	2205.9	2207.8	2211.6	2213.5	2217.3	2219.2	2223.0	2224.9	2224.9
165.0	2281.9	2285.7	2287.6	2289.5	2291.4	2293.3	2295.2	2297.1	2297.1
170.0	2340.8	2342.7	2342.7	2344.6	2346.5	2346.5	2346.5	2348.4	2348.4
175.0	2376.9	2376.9	2376.9	2376.9	2376.9	2378.8	2378.8	2378.8	2378.8
180.0	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3	2388.3

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U1S7_AL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	812.17	N.A.	7.90
0-30	1671.61	N.A.	16.20
0-40	2513.56	N.A.	24.30
0-60	3782.06	N.A.	36.60
0-80	4305.61	N.A.	41.60
0-90	4373.98	N.A.	42.30
10-90	4194.00	N.A.	40.60
20-40	1701.39	N.A.	16.50
20-50	2538.03	N.A.	24.50
40-70	1619.26	N.A.	15.70
60-80	523.55	N.A.	5.10
70-80	172.79	N.A.	1.70
80-90	68.37	N.A.	0.70
90-110	368.70	N.A.	3.60
90-120	964.93	N.A.	9.30
90-130	1868.15	N.A.	18.10
90-150	4127.59	N.A.	39.90
90-180	5967.34	N.A.	57.70
110-180	5598.64	N.A.	54.10
0-180	10341.32	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	179.98
10-20	632.19
20-30	859.44
30-40	841.95
40-50	836.63
50-60	431.86
60-70	350.77
70-80	172.79
80-90	68.37
90-100	72.54
100-110	296.16
110-120	596.23
120-130	903.22
130-140	1116.21
140-150	1143.23
150-160	969.92
160-170	644.19
170-180	225.65

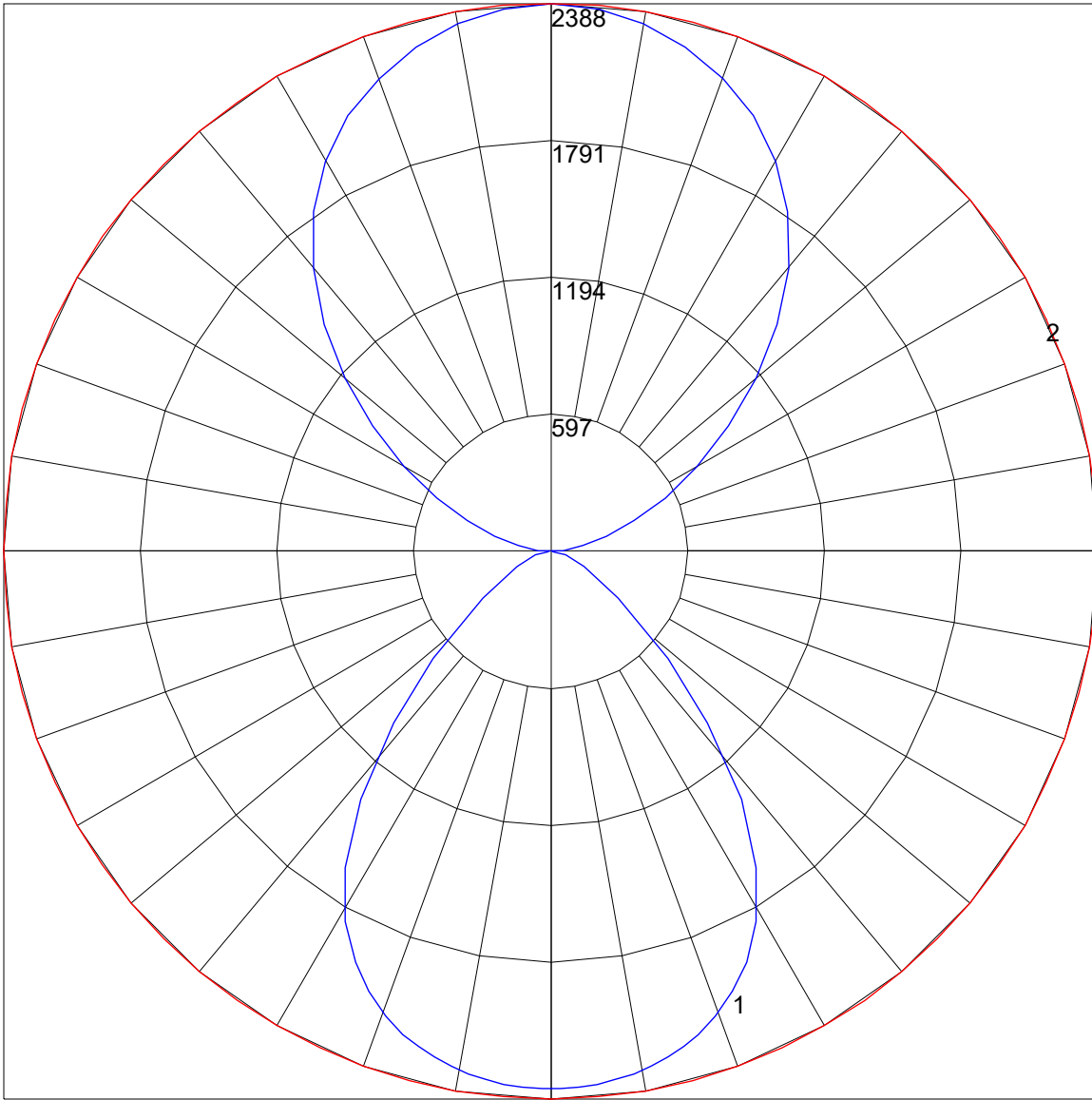
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U1S7_AL.IES

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	
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	44	43	42	37
2	88	82	76	71	81	75	70	66	62	59	56	50	48	46	40	38	37	32
3	81	72	65	60	74	66	60	56	55	51	47	45	42	40	36	34	32	28
4	74	64	57	51	68	59	53	48	50	45	41	41	37	34	32	30	28	24
5	69	58	50	44	63	53	46	41	45	40	36	37	33	30	29	27	25	22
6	63	52	44	39	58	48	41	36	40	35	32	33	30	27	27	24	22	19
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	25	22	20	17
8	55	43	35	30	50	40	33	29	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	36	30	26	31	26	23	26	22	19	21	18	16	14
10	48	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

POLAR GRAPH



Maximum Candela = 2388.3 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.)