

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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	82	85	86	89
Total Lumens, 4' rail length (1219mm)	8741	9017	9201	9385
Lumens per foot (305mm)	2185	2254	2300	2346
Lumens per foot UP (305mm)	1445	1490	1521	1473
Lumens per foot DOWN (305mm)	741	764	780	755
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_U2S1_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805802R01 (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-AL

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

[MORE] symmetric lens with edgeglow up/40° 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	9201
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	4249	7424	15531
55	2924	4715	10522
65	2323	3357	6970
75	1833	2398	4751
85	862	1117	2451

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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	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9
1.0	2240.1	2240.1	2240.1	2240.1	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0
3.0	2224.9	2224.9	2224.9	2226.8	2226.8	2228.7	2228.7	2230.6	2230.6	2232.5
5.0	2192.6	2192.6	2194.5	2196.4	2198.3	2200.2	2202.1	2205.9	2209.7	2213.5
7.0	2143.2	2145.1	2147.0	2148.9	2152.7	2158.4	2164.1	2169.8	2177.4	2183.1
9.0	2078.6	2080.5	2082.4	2088.1	2093.8	2101.4	2110.9	2122.3	2133.7	2145.1
11.0	1998.8	2000.7	2004.5	2012.1	2021.6	2033.0	2046.3	2061.5	2078.6	2093.8
13.0	1901.9	1903.8	1909.5	1920.9	1934.2	1949.4	1968.4	1989.3	2012.1	2034.9
15.0	1793.6	1795.5	1803.1	1816.4	1833.5	1854.4	1879.1	1907.6	1936.1	1966.5
17.0	1672.0	1675.8	1685.3	1700.5	1721.4	1748.0	1778.4	1812.6	1848.7	1886.7
19.5	1508.6	1512.4	1523.8	1542.8	1569.4	1601.7	1639.7	1683.4	1729.0	1776.5
22.5	1305.3	1309.1	1322.4	1345.2	1375.6	1413.6	1459.2	1510.5	1567.5	1626.4
25.5	1102.0	1107.7	1121.0	1145.7	1179.9	1221.7	1271.1	1331.9	1396.5	1464.9
29.0	883.5	887.3	902.5	927.2	961.4	1005.1	1058.3	1121.0	1191.3	1267.3
33.0	670.7	676.4	689.7	710.6	742.9	782.8	834.1	894.9	965.2	1043.1
37.5	488.3	492.1	501.6	520.6	547.2	581.4	623.2	676.4	741.0	811.3
42.5	345.8	349.6	357.2	370.5	389.5	414.2	446.5	488.3	539.6	596.6
47.5	254.6	256.5	262.2	271.7	285.0	302.1	324.9	353.4	389.5	433.2
55.0	172.9	174.8	176.7	182.4	188.1	199.5	210.9	226.1	247.0	271.7
65.0	106.4	108.3	108.3	110.2	114.0	117.8	123.5	129.2	138.7	148.2
75.0	57.0	57.0	57.0	57.0	58.9	60.8	62.7	64.6	66.5	70.3
85.0	13.3	13.3	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
90.0	28.5	28.5	28.5	26.6	24.7	24.7	22.8	20.9	19.0	17.1
95.0	79.8	79.8	79.8	77.9	77.9	76.0	76.0	74.1	72.2	70.3
100.0	163.4	163.4	163.4	163.4	163.4	163.4	163.4	163.4	163.4	163.4
105.0	269.8	269.8	271.7	271.7	273.6	275.5	277.4	279.3	281.2	283.1
110.0	404.7	404.7	406.6	408.5	412.3	414.2	418.0	423.7	427.5	433.2
115.0	570.0	570.0	571.9	575.7	579.5	583.3	589.0	596.6	602.3	609.9
120.0	761.9	763.8	765.7	769.5	773.3	779.0	786.6	794.2	803.7	811.3
125.0	978.5	978.5	982.3	984.2	989.9	997.5	1005.1	1014.6	1024.1	1033.6
130.0	1208.4	1208.4	1210.3	1214.1	1219.8	1227.4	1235.0	1244.5	1254.0	1263.5
135.0	1436.4	1436.4	1440.2	1444.0	1447.8	1455.4	1461.1	1468.7	1478.2	1485.8
140.0	1651.1	1653.0	1654.9	1656.8	1660.6	1666.3	1670.1	1675.8	1681.5	1687.2
145.0	1841.1	1841.1	1841.1	1843.0	1846.8	1848.7	1852.5	1856.3	1860.1	1862.0
150.0	1996.9	1996.9	1996.9	1998.8	1998.8	2000.7	2002.6	2004.5	2004.5	2006.4
155.0	2120.4	2120.4	2120.4	2120.4	2120.4	2122.3	2122.3	2124.2	2124.2	2126.1
160.0	2217.3	2217.3	2217.3	2217.3	2217.3	2219.2	2219.2	2219.2	2221.1	2221.1
165.0	2289.5	2289.5	2289.5	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4
170.0	2342.7	2342.7	2342.7	2342.7	2342.7	2342.7	2342.7	2342.7	2342.7	2344.6
175.0	2375.0	2375.0	2375.0	2375.0	2375.0	2375.0	2375.0	2375.0	2375.0	2375.0
180.0	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4

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	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9
1.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0
3.0	2234.4	2234.4	2236.3	2236.3	2238.2	2238.2	2238.2	2240.1	2240.1
5.0	2217.3	2219.2	2223.0	2224.9	2228.7	2230.6	2232.5	2232.5	2232.5
7.0	2190.7	2196.4	2204.0	2209.7	2213.5	2217.3	2221.1	2223.0	2223.0
9.0	2156.5	2166.0	2177.4	2186.9	2194.5	2200.2	2205.9	2207.8	2209.7
11.0	2110.9	2128.0	2143.2	2158.4	2169.8	2179.3	2186.9	2190.7	2190.7
13.0	2059.6	2080.5	2103.3	2122.3	2137.5	2150.8	2162.2	2167.9	2169.8
15.0	1996.9	2027.3	2053.9	2080.5	2101.4	2118.5	2131.8	2139.4	2143.2

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CANDELA TABULATION - (Cont.)

17.0	1926.6	1962.7	1998.8	2031.1	2057.7	2080.5	2097.6	2107.1	2110.9
19.5	1825.9	1873.4	1917.1	1960.8	1995.0	2023.5	2044.4	2057.7	2063.4
22.5	1689.1	1749.9	1806.9	1860.1	1905.7	1941.8	1970.3	1987.4	1993.1
25.5	1539.0	1611.2	1679.6	1744.2	1799.3	1846.8	1881.0	1900.0	1907.6
29.0	1349.0	1432.6	1514.3	1592.2	1658.7	1713.8	1755.6	1780.3	1787.9
33.0	1128.6	1221.7	1311.0	1398.4	1474.4	1539.0	1586.5	1616.9	1626.4
37.5	894.9	982.3	1073.5	1164.7	1244.5	1316.7	1369.9	1402.2	1413.6
42.5	666.9	742.9	822.7	908.2	986.1	1056.4	1107.7	1141.9	1151.4
47.5	486.4	545.3	609.9	678.3	744.8	805.6	851.2	879.7	891.1
55.0	302.1	338.2	376.2	419.9	461.7	501.6	533.9	552.9	562.4
65.0	161.5	176.7	193.8	212.8	229.9	248.9	264.1	273.6	275.5
75.0	76.0	79.8	87.4	93.1	98.8	106.4	110.2	114.0	115.9
85.0	17.1	17.1	17.1	19.0	19.0	19.0	19.0	20.9	20.9
90.0	13.3	11.4	9.5	7.6	5.7	5.7	3.8	1.9	1.9
95.0	68.4	66.5	64.6	62.7	60.8	58.9	58.9	57.0	57.0
100.0	163.4	163.4	163.4	163.4	161.5	161.5	161.5	159.6	159.6
105.0	286.9	288.8	290.7	292.6	292.6	294.5	294.5	294.5	294.5
110.0	437.0	442.7	446.5	450.3	454.1	456.0	456.0	456.0	457.9
115.0	617.5	623.2	630.8	636.5	640.3	644.1	646.0	646.0	646.0
120.0	820.8	830.3	837.9	845.5	851.2	855.0	856.9	860.7	860.7
125.0	1043.1	1052.6	1062.1	1069.7	1075.4	1079.2	1083.0	1086.8	1086.8
130.0	1273.0	1282.5	1290.1	1295.8	1301.5	1305.3	1309.1	1311.0	1312.9
135.0	1493.4	1501.0	1506.7	1510.5	1516.2	1520.0	1521.9	1525.7	1525.7
140.0	1692.9	1696.7	1700.5	1706.2	1708.1	1711.9	1713.8	1715.7	1715.7
145.0	1865.8	1867.7	1871.5	1873.4	1875.3	1877.2	1879.1	1881.0	1882.9
150.0	2008.3	2012.1	2014.0	2015.9	2015.9	2017.8	2019.7	2021.6	2021.6
155.0	2128.0	2129.9	2129.9	2131.8	2131.8	2133.7	2135.6	2135.6	2135.6
160.0	2221.1	2223.0	2223.0	2224.9	2224.9	2226.8	2226.8	2226.8	2226.8
165.0	2293.3	2293.3	2293.3	2295.2	2295.2	2297.1	2297.1	2297.1	2297.1
170.0	2344.6	2344.6	2344.6	2344.6	2346.5	2346.5	2346.5	2346.5	2346.5
175.0	2375.0	2375.0	2375.0	2375.0	2375.0	2376.9	2376.9	2376.9	2376.9
180.0	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	724.95	N.A.	7.90
0-30	1380.54	N.A.	15.00
0-40	1933.74	N.A.	21.00
0-60	2699.38	N.A.	29.30
0-80	3058.18	N.A.	33.20
0-90	3118.26	N.A.	33.90
10-90	2948.54	N.A.	32.00
20-40	1208.79	N.A.	13.10
20-50	1711.2	N.A.	18.60
40-70	997.01	N.A.	10.80
60-80	358.81	N.A.	3.90
70-80	127.43	N.A.	1.40
80-90	60.08	N.A.	0.70
90-110	392.88	N.A.	4.30
90-120	1002.2	N.A.	10.90
90-130	1927.57	N.A.	21.00
90-150	4230.29	N.A.	46.00
90-180	6082.55	N.A.	66.10
110-180	5689.67	N.A.	61.80
0-180	9200.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	169.72
10-20	555.24
20-30	655.58
30-40	553.21
40-50	502.41
50-60	263.22
60-70	231.38
70-80	127.43
80-90	60.08
90-100	86.48
100-110	306.39
110-120	609.32
120-130	925.37
130-140	1141.19
140-150	1161.53
150-160	979.36
160-170	647.14
170-180	225.76

IES INDOOR REPORT

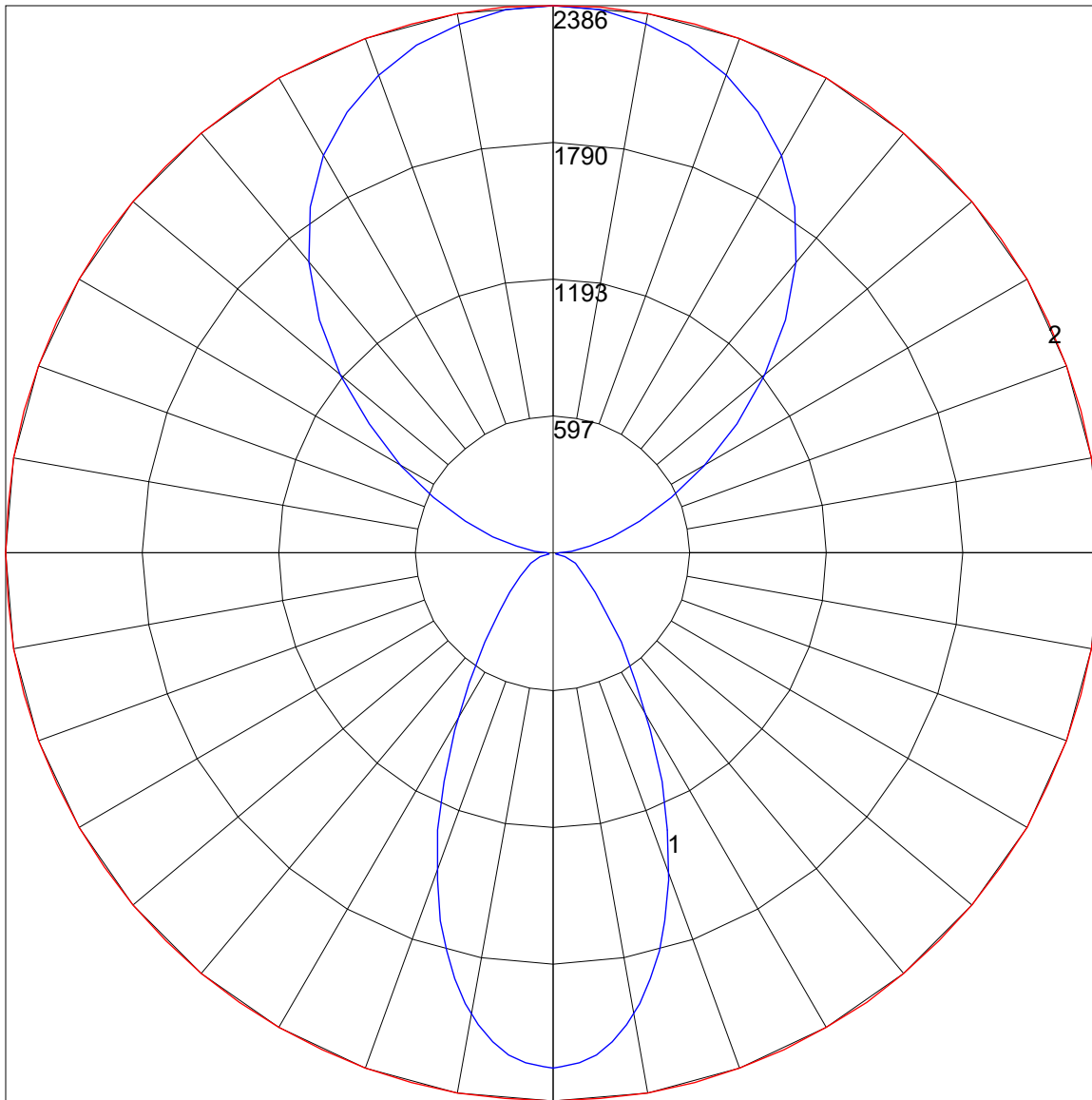
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	95	91	87	84	85	82	79	76	66	64	62	51	50	48	37	36	36	29
2	87	80	74	69	78	72	68	64	58	55	52	46	43	41	34	32	31	26
3	80	71	64	59	72	64	59	54	52	48	45	41	38	36	30	29	27	23
4	73	63	56	50	66	57	51	46	47	42	39	37	34	31	28	26	24	20
5	67	57	49	44	61	52	45	40	42	38	34	34	30	28	25	23	22	18
6	62	51	44	38	56	47	40	35	38	34	30	31	27	25	23	21	20	16
7	58	46	39	34	52	42	36	31	35	30	27	28	25	22	22	19	18	15
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14
9	50	39	32	27	45	36	29	25	30	25	22	24	21	18	19	16	15	13
10	47	36	29	24	43	33	27	23	27	23	20	22	19	17	17	15	14	12

POLAR GRAPH



Maximum Candela = 2386.4 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.)