

IES Report

ZipTwo® | 707 | 40° Symmetric | 80 CRI | HO

707-Z2-4-48-XX-XX-X-0-Z-HO-35-S1-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	62	64	65	66
Total Lumens, 4' rail length (1219mm)	2404	2480	2531	2582
Lumens per foot (305mm)	601	620	633	645
Input Power (W), 4' rail length (1219mm)	39.4	39.4	39.4	39.4
Watts per foot (305mm)	9.9	9.9	9.9	9.9
CRI	85	85	85	85

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\_Z2\_HO\_35\_S1.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L071704223 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB  
[ISSUEDATE] 11/1/2017  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z2-48-Z-HO-35-S1-AL  
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,  
[MORE] 40° white symmetric lens, high output  
[TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2524
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	39.36
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.00
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.02 ft
Luminous Width (90-270)	4.02 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	48555	83335	147320
55	34101	53996	102957
65	29494	40053	71401
75	26353	32052	50895
85	20753	23333	32487

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	1722.263	1722.263	1722.263	1722.263	1722.263	1722.263	1722.263	1722.263	1722.263	1722.263
1.0	1722.546	1722.688	1722.617	1722.405	1722.546	1722.546	1722.475	1722.334	1722.475	1722.475
3.0	1715.643	1715.643	1715.926	1715.926	1716.086	1716.369	1716.599	1717.112	1717.396	1717.696
5.0	1699.023	1698.952	1699.554	1700.067	1700.722	1702.191	1703.218	1704.475	1706.386	1707.554
7.0	1669.783	1670.225	1671.039	1672.650	1674.420	1676.845	1679.624	1682.650	1685.872	1689.040
9.0	1629.798	1624.364	1625.833	1628.488	1631.710	1635.250	1640.542	1645.534	1651.410	1656.702
11.0	1579.690	1580.274	1582.769	1587.177	1592.469	1598.788	1606.434	1614.523	1623.709	1632.453
13.0	1516.040	1517.509	1520.890	1526.784	1534.643	1544.113	1554.697	1566.680	1579.548	1592.257
15.0	1443.594	1445.276	1450.126	1457.701	1468.357	1481.065	1495.845	1511.120	1528.324	1545.440
17.0	1358.776	1360.847	1367.307	1377.237	1391.043	1407.734	1426.762	1448.002	1470.038	1492.305
19.5	1245.620	1248.186	1256.275	1268.842	1286.100	1308.012	1332.775	1360.174	1389.202	1418.460
22.5	1091.293	1094.603	1104.303	1119.808	1141.632	1169.032	1199.901	1235.478	1273.179	1311.906
25.5	931.675	935.356	946.596	964.597	990.032	1022.281	1059.097	1101.949	1148.022	1194.679
29.0	756.622	760.604	772.216	791.101	818.430	852.751	892.806	940.277	992.970	1047.486
33.0	580.401	583.941	595.322	613.252	638.970	672.565	713.416	760.888	816.377	875.017
37.5	422.110	425.048	434.234	449.598	471.050	500.662	536.239	579.817	630.598	687.627
42.5	297.183	299.466	306.369	317.609	334.371	356.938	384.709	419.472	461.350	509.636
47.5	216.205	217.816	222.595	230.684	242.366	257.942	278.155	303.059	334.070	371.488
55.0	146.237	146.981	149.689	153.300	159.388	167.778	178.434	192.399	210.241	231.551
65.0	93.190	93.474	94.500	96.040	98.394	101.563	105.757	111.032	118.024	126.555
75.0	50.994	51.153	51.436	51.949	52.764	53.790	55.047	56.888	59.224	62.021
85.0	13.523	13.523	13.594	13.594	13.735	13.894	14.107	14.408	14.779	15.204
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	1722.263	1722.263	1722.263	1722.263	1722.263	1722.263	1722.263	1722.263	1722.263
1.0	1722.475	1722.334	1722.475	1722.334	1722.245	1722.546	1722.405	1722.617	1722.104
3.0	1718.281	1718.652	1718.865	1719.378	1719.820	1720.121	1720.334	1720.192	1720.635
5.0	1709.324	1710.723	1712.263	1713.431	1714.528	1715.272	1716.015	1716.157	1716.369
7.0	1692.492	1695.642	1698.669	1701.448	1703.590	1705.501	1707.112	1707.855	1708.138
9.0	1663.163	1668.455	1674.048	1678.756	1683.164	1687.571	1690.509	1692.262	1696.687
11.0	1641.498	1650.525	1658.313	1665.375	1671.836	1676.845	1680.226	1682.491	1683.305
13.0	1605.337	1617.833	1629.515	1639.940	1648.401	1655.746	1660.897	1663.906	1664.933
15.0	1562.998	1579.619	1595.124	1609.231	1620.842	1630.099	1637.161	1641.197	1642.454
17.0	1514.430	1535.811	1555.724	1573.884	1588.575	1600.859	1609.603	1615.107	1616.877
19.5	1448.072	1475.844	1501.048	1524.058	1543.086	1558.450	1569.919	1576.521	1579.389
22.5	1351.076	1387.892	1421.540	1451.453	1476.870	1496.500	1511.350	1519.864	1522.660
25.5	1242.522	1288.082	1330.120	1367.378	1398.318	1423.239	1441.311	1451.896	1455.648
29.0	1104.445	1159.261	1209.459	1255.319	1292.578	1323.358	1344.457	1356.953	1360.988
33.0	938.224	1000.528	1059.681	1113.932	1157.350	1192.042	1216.149	1230.026	1234.876
37.5	751.489	816.377	880.522	938.507	986.421	1024.122	1050.796	1066.159	1071.292
42.5	565.993	625.164	685.273	743.400	790.871	828.271	854.804	870.167	874.946
47.5	414.693	463.333	514.114	564.311	606.420	640.297	664.617	678.211	682.707
55.0	257.942	288.581	320.777	353.327	383.895	408.658	426.517	437.172	441.509
65.0	137.494	150.432	165.052	180.788	195.249	208.258	217.745	223.693	225.604
75.0	65.702	70.110	75.331	81.066	86.500	91.491	95.385	97.810	98.483
85.0	15.806	16.461	17.346	18.302	19.116	19.912	20.585	21.010	21.169
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	566.82	N.A.	22.50
0-30	1092.5	N.A.	43.30
0-40	1542.32	N.A.	61.10
0-60	2171.34	N.A.	86.00
0-80	2473.92	N.A.	98.00
0-90	2524.07	N.A.	100.00
10-90	2393.03	N.A.	94.80
20-40	975.50	N.A.	38.60
20-50	1387.05	N.A.	55.00
40-70	822.51	N.A.	32.60
60-80	302.58	N.A.	12.00
70-80	109.09	N.A.	4.30
80-90	50.15	N.A.	2.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2524.07	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	131.03
10-20	435.79
20-30	525.68
30-40	449.82
40-50	411.55
50-60	217.47
60-70	193.49
70-80	109.09
80-90	50.15
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

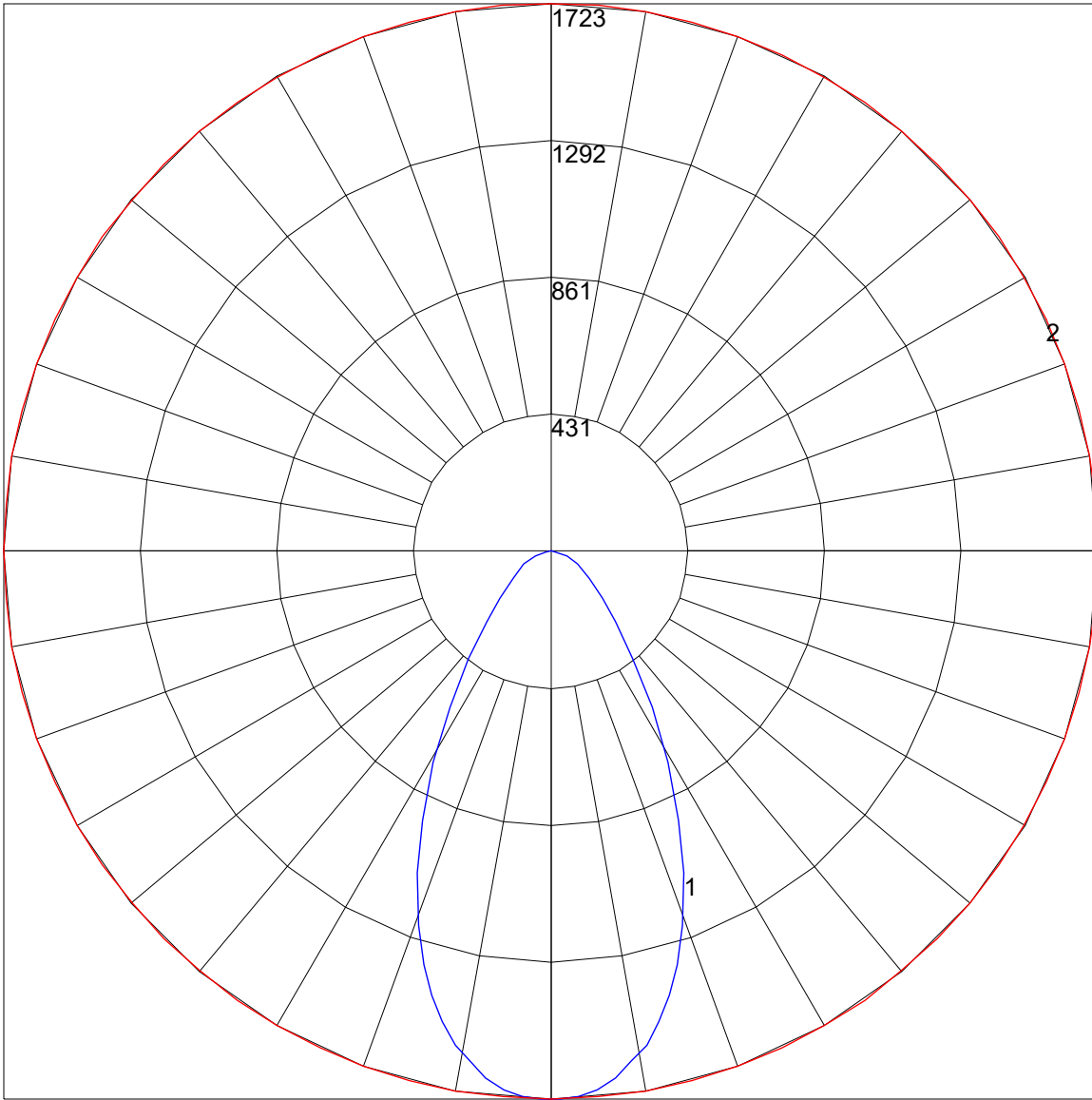
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59
5	82	70	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	55	50	59	54	50	48
7	72	60	52	46	70	59	51	46	57	51	46	56	50	46	55	49	45	43
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	48	41	36	59	47	40	36	46	40	36	45	40	35	45	39	35	34

POLAR GRAPH



Maximum Candela = 1722.688 Located At Horizontal Angle = 5, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)