



IES Report

ZipTwo® | 707 | 120° Symmetric | 80 CRI | HO

707-Z2-4-48-XX-XX-X-0-Z-HO-35-S3-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	130	134	137	137
Total Lumens, 4' rail length (1219mm)	5125	5287	5395	5395
Lumens per foot (305mm)	1281	1322	1349	1349
Input Power (W), 4' rail length (1219mm)	39.6	39.6	39.6	39.6
Watts per foot (305mm)	9.9	9.9	9.9	9.9
CRI	82	82	82	82

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_S3.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911526 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-HO-35-S3-AL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, 120° white symmetric lens,

[MORE] 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	5395
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	39.55
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.66
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.56
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.07 ft
Luminous Width (90-270)	3.97 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	90366	78844	54086
55	82643	74895	52121
65	65003	62454	47956
75	42145	42145	36942
85	26267	23949	19314

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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	1651.26	1651.26	1651.26	1651.26	1651.26	1651.26	1651.26	1651.26	1651.26	1651.26
5	1665.18	1665.18	1665.18	1663.44	1663.44	1661.70	1658.22	1658.22	1654.74	1653.00
10	1717.38	1717.38	1713.90	1708.68	1705.20	1698.24	1691.28	1682.58	1673.88	1665.18
15	1793.94	1792.20	1788.72	1780.02	1767.84	1753.92	1738.26	1719.12	1699.98	1679.10
20	1873.98	1872.24	1863.54	1851.36	1835.70	1813.08	1786.98	1757.40	1726.08	1691.28
25	1929.66	1926.18	1917.48	1903.56	1880.94	1853.10	1821.78	1783.50	1740.00	1694.76
30	1938.36	1936.62	1927.92	1912.26	1891.38	1861.80	1825.26	1783.50	1733.04	1677.36
35	1896.60	1894.86	1886.16	1872.24	1851.36	1823.52	1788.72	1745.22	1693.02	1633.86
40	1799.16	1797.42	1790.46	1778.28	1762.62	1738.26	1706.94	1666.92	1614.72	1555.56
45	1651.26	1649.52	1644.30	1635.60	1623.42	1604.28	1578.18	1543.38	1498.14	1440.72
50	1456.38	1456.38	1454.64	1449.42	1440.72	1426.80	1407.66	1379.82	1341.54	1291.08
55	1224.96	1224.96	1223.22	1223.22	1218.00	1211.04	1198.86	1179.72	1150.14	1110.12
60	969.18	969.18	970.92	970.92	970.92	969.18	962.22	950.04	930.90	903.06
65	709.92	709.92	711.66	713.40	716.88	716.88	715.14	709.92	699.48	682.08
70	471.54	473.28	475.02	476.76	478.50	481.98	481.98	480.24	475.02	466.32
75	281.88	283.62	283.62	285.36	287.10	287.10	288.84	287.10	285.36	281.88
80	149.64	149.64	149.64	151.38	151.38	151.38	151.38	149.64	147.90	146.16
85	59.16	59.16	59.16	59.16	59.16	59.16	57.42	57.42	55.68	53.94
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	1651.26	1651.26	1651.26	1651.26	1651.26	1651.26	1651.26	1651.26	1651.26
5	1653.00	1649.52	1647.78	1646.04	1644.30	1644.30	1642.56	1642.56	1642.56
10	1654.74	1646.04	1637.34	1630.38	1621.68	1618.20	1612.98	1611.24	1609.50
15	1656.48	1637.34	1618.20	1600.80	1585.14	1572.96	1564.26	1559.04	1557.30
20	1656.48	1621.68	1588.62	1559.04	1532.94	1512.06	1496.40	1487.70	1484.22
25	1644.30	1595.58	1548.60	1503.36	1468.56	1437.24	1414.62	1402.44	1397.22
30	1616.46	1555.56	1494.66	1437.24	1390.26	1350.24	1322.40	1306.74	1301.52
35	1564.26	1494.66	1425.06	1357.20	1301.52	1256.28	1223.22	1204.08	1198.86
40	1485.96	1411.14	1336.32	1264.98	1204.08	1155.36	1120.56	1101.42	1094.46
45	1374.60	1301.52	1226.70	1155.36	1096.20	1047.48	1014.42	995.28	988.32
50	1231.92	1165.80	1096.20	1031.82	977.88	934.38	904.80	887.40	882.18
55	1059.66	1003.98	946.56	892.62	849.12	814.32	789.96	776.04	772.56
60	864.78	823.02	779.52	739.50	708.18	683.82	666.42	655.98	652.50
65	657.72	631.62	603.78	579.42	558.54	542.88	532.44	527.22	523.74
70	454.14	440.22	426.30	414.12	403.68	394.98	389.76	388.02	386.28
75	276.66	269.70	264.48	257.52	254.04	250.56	248.82	247.08	247.08
80	142.68	139.20	137.46	133.98	132.24	130.50	128.76	128.76	128.76
85	52.20	50.46	48.72	46.98	45.24	45.24	43.50	43.50	43.50
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	633.49	N.A.	11.70
0-30	1406.92	N.A.	26.10
0-40	2397.53	N.A.	44.40
0-60	4387.99	N.A.	81.30
0-80	5327.28	N.A.	98.80
0-90	5394.66	N.A.	100.00
10-90	5236.46	N.A.	97.10
20-40	1764.04	N.A.	32.70
20-50	2821.05	N.A.	52.30
40-70	2630.99	N.A.	48.80
60-80	939.30	N.A.	17.40
70-80	298.76	N.A.	5.50
80-90	67.38	N.A.	1.20
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	5394.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	158.20
10-20	475.29
20-30	773.43
30-40	990.61
40-50	1057.01
50-60	933.45
60-70	640.54
70-80	298.76
80-90	67.38
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

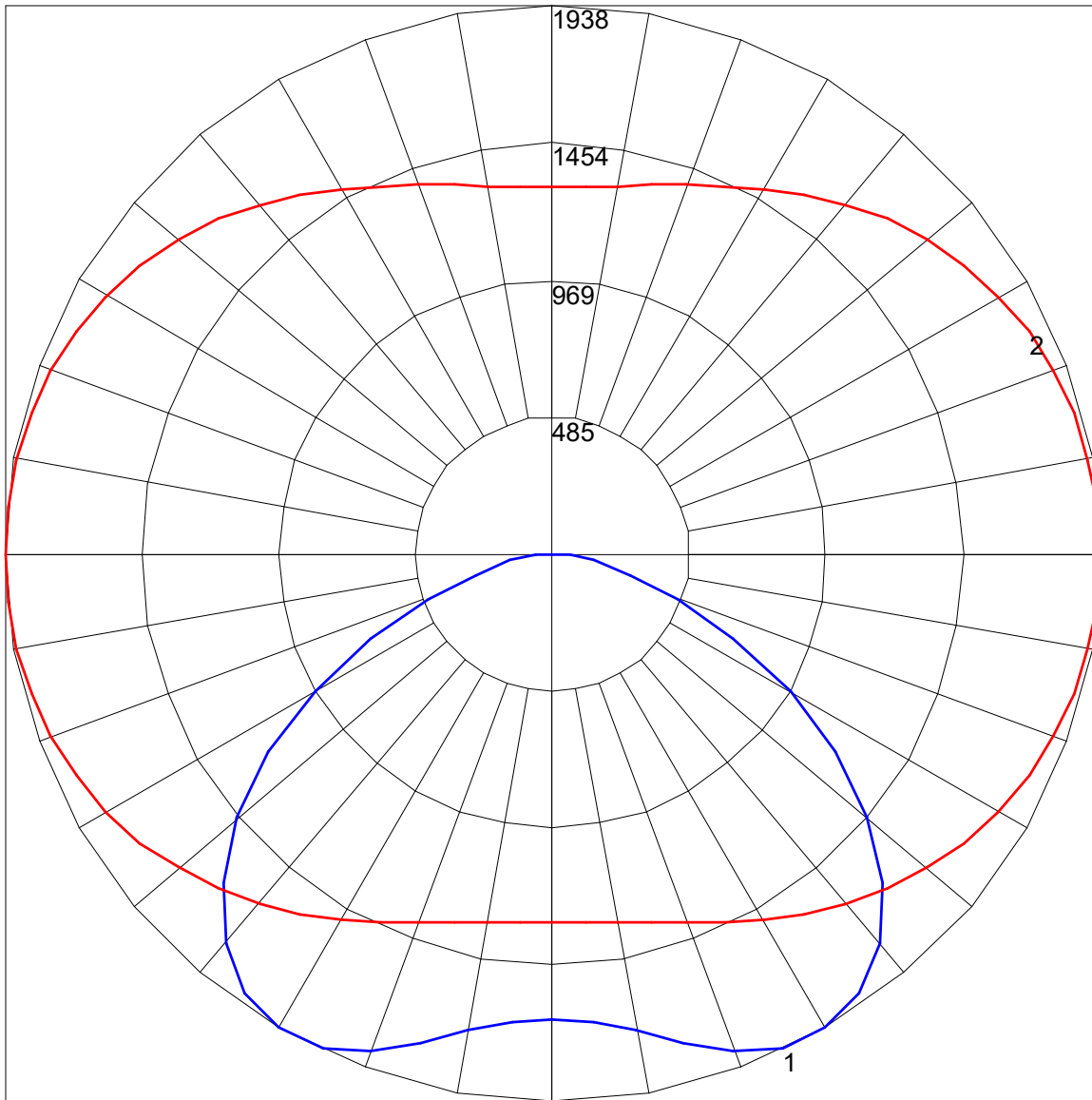
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	66	62	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 1938.36 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)