

IES Report

ZipTwo® | 707 | Diffuse | 90 CRI | HO

707-Z2-4-48-XX-XX-X-0-Z-HO-359-D3-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	129	133	136	138
Total Lumens, 4' rail length (1219mm)	5059	5219	5325	5432
Lumens per foot (305mm)	1265	1305	1331	1358
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	95	95	95	95

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_359_D3.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L121800101 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 12/14/2018
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-HO-359-D3-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] diffuse lens, high output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5325
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	39.36
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.10 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	46506	46948	47243
55	41090	41393	41575
65	35451	35369	35122
75	30891	30085	28742
85	35098	31110	24330

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	2064.921	2064.921	2064.921	2064.921	2064.921	2064.921	2064.921	2064.921	2064.921	2064.921
5	2055.870	2055.870	2055.870	2055.870	2055.870	2055.870	2055.870	2055.870	2055.870	2057.163
10	2026.131	2027.424	2026.131	2027.424	2026.131	2027.424	2027.424	2027.424	2027.424	2027.424
15	1974.411	1974.411	1975.704	1974.411	1975.704	1975.704	1975.704	1976.997	1976.997	1976.997
20	1900.710	1902.003	1902.003	1902.003	1902.003	1902.003	1903.296	1903.296	1904.589	1904.589
25	1803.735	1805.028	1805.028	1805.028	1806.321	1806.321	1807.614	1808.907	1810.200	1810.200
30	1686.072	1686.072	1687.365	1687.365	1688.658	1689.951	1691.244	1692.537	1693.830	1695.123
35	1547.721	1547.721	1549.014	1549.014	1550.307	1551.600	1552.893	1555.479	1555.479	1558.065
40	1391.268	1392.561	1392.561	1393.854	1395.147	1396.440	1397.733	1399.026	1401.612	1402.905
45	1223.178	1224.471	1224.471	1224.471	1227.057	1228.350	1228.350	1230.936	1232.229	1234.815
50	1049.916	1049.916	1049.916	1051.209	1052.502	1053.795	1053.795	1056.381	1057.674	1058.967
55	876.654	876.654	877.947	877.947	879.240	879.240	880.533	881.826	881.826	883.119
60	711.150	711.150	711.150	711.150	712.443	712.443	712.443	712.443	713.736	713.736
65	557.283	557.283	557.283	557.283	557.283	557.283	557.283	557.283	555.990	555.990
70	417.639	417.639	417.639	417.639	417.639	417.639	416.346	416.346	415.053	413.760
75	297.390	297.390	296.097	296.097	296.097	294.804	293.511	292.218	290.925	289.632
80	195.243	195.243	193.950	193.950	192.657	191.364	190.071	188.778	187.485	184.899
85	113.784	113.784	112.491	111.198	111.198	108.612	107.319	104.733	103.440	100.854
90	49.134	49.134	47.841	47.841	45.255	43.962	41.376	38.790	36.204	33.618
95	33.618	33.618	33.618	32.325	31.032	29.739	28.446	27.153	24.567	21.981
100	32.325	32.325	32.325	31.032	29.739	28.446	27.153	25.860	24.567	21.981
105	31.032	31.032	31.032	29.739	29.739	28.446	27.153	24.567	23.274	21.981
110	31.032	31.032	29.739	29.739	28.446	27.153	25.860	0.000	0.000	0.000
115	29.739	29.739	29.739	28.446	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	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	2064.921	2064.921	2064.921	2064.921	2064.921	2064.921	2064.921	2064.921	2064.921
5	2057.163	2057.163	2057.163	2057.163	2057.163	2057.163	2057.163	2057.163	2057.163
10	2027.424	2027.424	2027.424	2027.424	2027.424	2028.717	2028.717	2028.717	2027.424
15	1976.997	1976.997	1978.290	1978.290	1978.290	1978.290	1978.290	1978.290	1979.583
20	1904.589	1905.882	1905.882	1907.175	1907.175	1908.468	1907.175	1907.175	1908.468
25	1811.493	1812.786	1812.786	1814.079	1814.079	1815.372	1815.372	1815.372	1815.372
30	1696.416	1697.709	1697.709	1699.002	1700.295	1701.588	1701.588	1701.588	1701.588
35	1559.358	1560.651	1561.944	1564.530	1565.823	1565.823	1567.116	1567.116	1568.409
40	1405.491	1406.784	1408.077	1409.370	1410.663	1410.663	1411.956	1411.956	1411.956
45	1236.108	1237.401	1238.694	1239.987	1241.280	1242.573	1243.866	1242.573	1242.573
50	1060.260	1061.553	1062.846	1062.846	1064.139	1065.432	1065.432	1065.432	1065.432
55	883.119	884.412	885.705	885.705	885.705	886.998	886.998	886.998	886.998
60	713.736	713.736	713.736	713.736	713.736	713.736	713.736	713.736	713.736

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_HO_359_D3.IES

CANDELA TABULATION - (Cont.)

65	555.990	555.990	554.697	554.697	554.697	553.404	552.111	552.111	552.111
70	413.760	412.467	411.174	409.881	408.588	408.588	407.295	406.002	406.002
75	288.339	287.046	284.460	283.167	281.874	279.288	277.995	276.702	276.702
80	182.313	181.020	178.434	175.848	173.262	171.969	169.383	168.090	166.797
85	98.268	95.682	91.803	89.217	86.631	84.045	81.459	80.166	78.873
90	29.739	27.153	23.274	20.688	16.809	14.223	10.344	7.758	6.465
95	20.688	18.102	15.516	12.930	10.344	7.758	6.465	3.879	2.586
100	19.395	18.102	15.516	12.930	10.344	9.051	6.465	5.172	0.000
105	19.395	18.102	15.516	12.930	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_HO_359_D3.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	752.79	N.A.	14.10
0-30	1585.97	N.A.	29.80
0-40	2558.83	N.A.	48.00
0-60	4301.00	N.A.	80.80
0-80	5164.4	N.A.	97.00
0-90	5276.62	N.A.	99.10
10-90	5081.25	N.A.	95.40
20-40	1806.03	N.A.	33.90
20-50	2757.4	N.A.	51.80
40-70	2295.9	N.A.	43.10
60-80	863.41	N.A.	16.20
70-80	309.67	N.A.	5.80
80-90	112.22	N.A.	2.10
90-110	43.31	N.A.	0.80
90-120	48.78	N.A.	0.90
90-130	48.78	N.A.	0.90
90-150	48.78	N.A.	0.90
90-180	48.78	N.A.	0.90
110-180	5.47	N.A.	0.10
0-180	5325.4	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	195.37
10-20	557.42
20-30	833.17
30-40	972.86
40-50	951.37
50-60	790.80
60-70	553.73
70-80	309.67
80-90	112.22
90-100	25.48
100-110	17.82
110-120	5.47
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

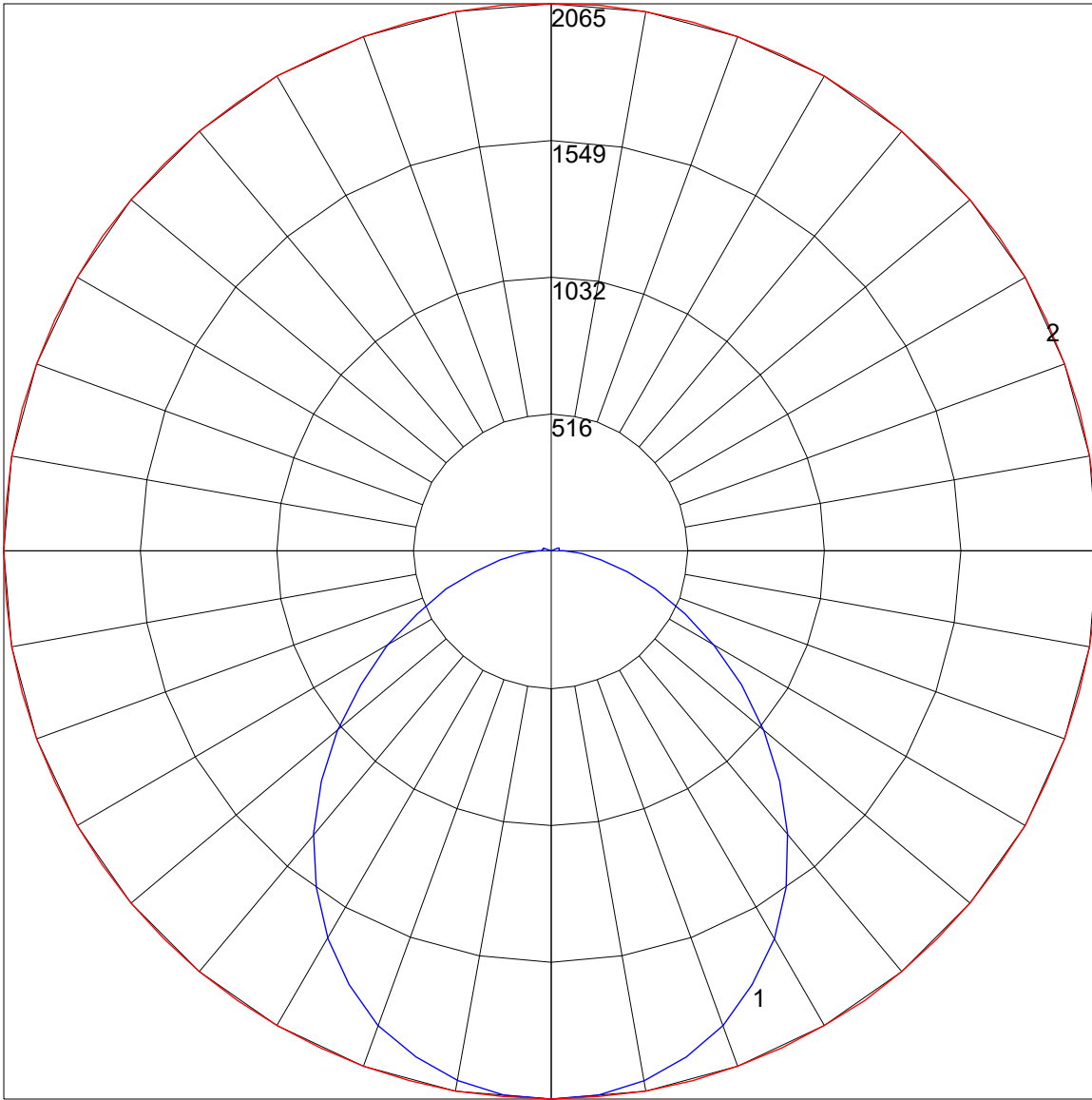
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_HO_359_D3.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	95	97	94	92	93	91	89	90	88	86	84
2	99	91	85	79	97	89	83	78	86	81	76	82	78	74	79	76	73	70
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	70	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	65	59	55	63	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	36	31	41	35	30	40	35	30	28
10	54	41	33	28	53	41	33	28	39	33	28	38	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 2064.921 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)