

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	50	51	52	53
Total Lumens, 4' rail length (1219mm)	801	827	844	861
Lumens per foot (305mm)	200	207	211	215
Input Power (W), 4' rail length (1219mm)	16.3	16.3	16.3	16.3
Watts per foot (305mm)	4.1	4.1	4.1	4.1
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_LO_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-LO-35-S1-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,
[MORE] 40° white symmetric lens, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	841
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	16.25
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	16185	27778	49107
55	11367	17999	34319
65	9831	13351	23800
75	8784	10684	16965
85	6918	7778	10829

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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	574.088	574.088	574.088	574.088	574.088	574.088	574.088	574.088	574.088	574.088
1.0	574.182	574.229	574.206	574.135	574.182	574.182	574.158	574.111	574.158	574.158
3.0	571.881	571.881	571.975	571.975	572.029	572.123	572.200	572.371	572.465	572.565
5.0	566.341	566.317	566.518	566.689	566.907	567.397	567.739	568.158	568.795	569.185
7.0	556.594	556.742	557.013	557.550	558.140	558.948	559.875	560.883	561.957	563.013
9.0	543.266	541.455	541.944	542.829	543.903	545.083	546.847	548.511	550.470	552.234
11.0	526.563	526.758	527.590	529.059	530.823	532.929	535.478	538.174	541.236	544.151
13.0	505.347	505.836	506.963	508.928	511.548	514.704	518.232	522.227	526.516	530.752
15.0	481.198	481.759	483.375	485.900	489.452	493.688	498.615	503.707	509.441	515.147
17.0	452.925	453.616	455.769	459.079	463.681	469.245	475.587	482.667	490.013	497.435
19.5	415.207	416.062	418.758	422.947	428.700	436.004	444.258	453.391	463.067	472.820
22.5	363.764	364.868	368.101	373.269	380.544	389.677	399.967	411.826	424.393	437.302
25.5	310.558	311.785	315.532	321.532	330.011	340.760	353.032	367.316	382.674	398.226
29.0	252.207	253.535	257.405	263.700	272.810	284.250	297.602	313.426	330.990	349.162
33.0	193.467	194.647	198.441	204.417	212.990	224.188	237.805	253.629	272.126	291.672
37.5	140.703	141.683	144.745	149.866	157.017	166.887	178.746	193.272	210.199	229.209
42.5	99.061	99.822	102.123	105.870	111.457	118.979	128.236	139.824	153.783	169.879
47.5	72.068	72.605	74.198	76.895	80.789	85.981	92.718	101.020	111.357	123.829
55.0	48.746	48.994	49.896	51.100	53.129	55.926	59.478	64.133	70.080	77.184
65.0	31.063	31.158	31.500	32.013	32.798	33.854	35.252	37.011	39.341	42.185
75.0	16.998	17.051	17.145	17.316	17.588	17.930	18.349	18.963	19.741	20.674
85.0	4.508	4.508	4.531	4.531	4.578	4.631	4.702	4.803	4.926	5.068
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	574.088	574.088	574.088	574.088	574.088	574.088	574.088	574.088	574.088
1.0	574.158	574.111	574.158	574.111	574.082	574.182	574.135	574.206	574.035
3.0	572.760	572.884	572.955	573.126	573.273	573.374	573.445	573.397	573.545
5.0	569.775	570.241	570.754	571.144	571.509	571.757	572.005	572.052	572.123
7.0	564.164	565.214	566.223	567.149	567.863	568.500	569.037	569.285	569.379
9.0	554.388	556.152	558.016	559.585	561.055	562.524	563.503	564.087	565.562
11.0	547.166	550.175	552.771	555.125	557.279	558.948	560.075	560.830	561.102
13.0	535.112	539.278	543.172	546.647	549.467	551.915	553.632	554.635	554.978
15.0	520.999	526.540	531.708	536.410	540.281	543.366	545.720	547.066	547.485
17.0	504.810	511.937	518.575	524.628	529.525	533.620	536.534	538.369	538.959
19.5	482.691	491.948	500.349	508.019	514.362	519.483	523.306	525.507	526.463
22.5	450.359	462.631	473.847	483.818	492.290	498.833	503.783	506.621	507.553
25.5	414.174	429.361	443.373	455.793	466.106	474.413	480.437	483.965	485.216
29.0	368.148	386.420	403.153	418.440	430.859	441.119	448.152	452.318	453.663
33.0	312.741	333.509	353.227	371.311	385.783	397.347	405.383	410.009	411.625
37.5	250.496	272.126	293.507	312.836	328.807	341.374	350.265	355.386	357.097
42.5	188.664	208.388	228.424	247.800	263.624	276.090	284.935	290.056	291.649
47.5	138.231	154.444	171.371	188.104	202.140	213.432	221.539	226.070	227.569
55.0	85.981	96.194	106.926	117.776	127.965	136.219	142.172	145.724	147.170
65.0	45.831	50.144	55.017	60.263	65.083	69.419	72.582	74.564	75.201
75.0	21.901	23.370	25.110	27.022	28.833	30.497	31.795	32.603	32.828
85.0	5.269	5.487	5.782	6.101	6.372	6.637	6.862	7.003	7.056
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	188.94	N.A.	22.50
0-30	364.17	N.A.	43.30
0-40	514.11	N.A.	61.10
0-60	723.78	N.A.	86.00
0-80	824.64	N.A.	98.00
0-90	841.35	N.A.	100.00
10-90	797.68	N.A.	94.80
20-40	325.17	N.A.	38.60
20-50	462.35	N.A.	55.00
40-70	274.17	N.A.	32.60
60-80	100.86	N.A.	12.00
70-80	36.36	N.A.	4.30
80-90	16.72	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	841.35	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	43.68
10-20	145.26
20-30	175.23
30-40	149.94
40-50	137.18
50-60	72.49
60-70	64.50
70-80	36.36
80-90	16.72
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

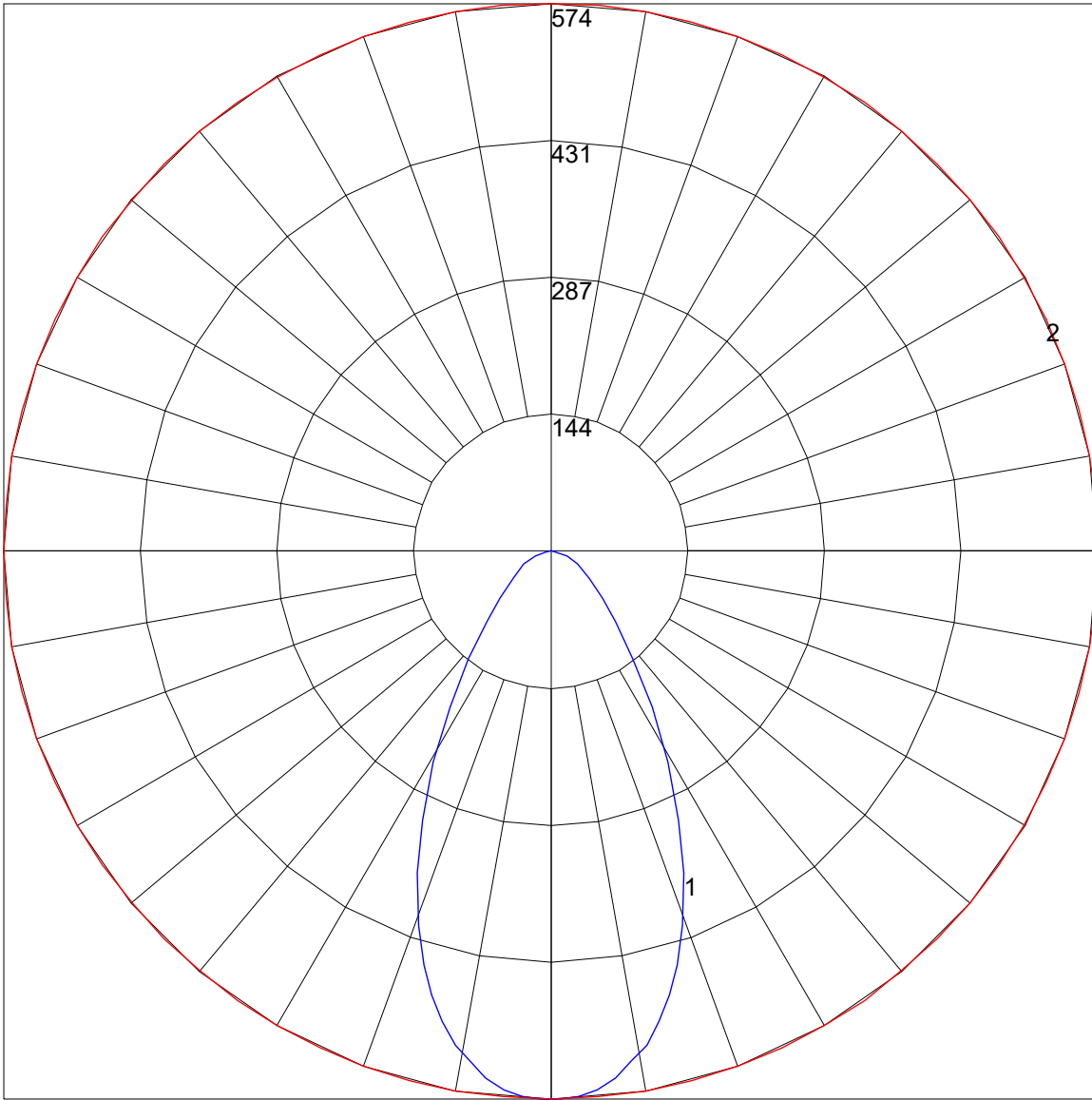
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	97	100	97	94	96	94	92	92	90	89	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67
4	88	77	70	64	86	76	69	63	74	68	63	71	66	62	69	65	61	59
5	82	71	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	46	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 = 574.229 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.)