

IES Report

ZipTwo® | 707 | 60° Symmetric | 80 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-35-S2-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	74	76	78	79
Total Lumens, 4' rail length (1219mm)	1195	1233	1258	1283
Lumens per foot (305mm)	299	308	314	321
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\_S2.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L071704224 (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-S2-AL  
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,  
[MORE] 60° 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	1254
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	16.25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.20
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	37275	55801	64171
55	22426	36873	46503
65	16059	24648	32864
75	13111	17989	23783
85	9960	11771	15393

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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>
<b>0</b>	661.98	661.98	661.98	661.98	661.98	661.98	661.98	661.98	661.98	661.98
<b>5</b>	659.03	659.03	659.03	659.03	659.03	659.03	659.03	659.03	659.62	659.62
<b>10</b>	647.23	647.23	647.82	647.82	648.41	648.41	649.00	649.59	649.59	650.18
<b>15</b>	623.63	624.22	624.81	625.40	626.58	627.76	628.94	630.12	631.30	633.07
<b>20</b>	585.28	585.28	586.46	588.23	590.59	592.95	595.90	598.85	602.39	604.75
<b>25</b>	528.64	529.23	531.59	534.54	538.67	543.39	549.29	554.60	559.91	565.22
<b>30</b>	454.89	456.07	459.02	464.33	470.82	479.08	487.34	496.78	505.63	513.89
<b>35</b>	366.98	368.75	372.88	379.37	388.81	400.02	411.82	424.21	437.19	448.99
<b>40</b>	276.12	277.89	282.61	290.28	300.90	313.29	327.45	343.38	359.31	374.06
<b>45</b>	197.06	198.83	202.96	210.04	219.48	231.87	245.44	261.96	278.48	295.00
<b>50</b>	137.47	138.06	141.60	146.91	154.58	164.61	176.41	189.98	205.32	220.07
<b>55</b>	96.17	96.76	99.12	102.66	108.56	115.64	123.90	134.52	145.73	158.12
<b>60</b>	68.44	69.03	70.80	73.16	77.29	82.01	87.32	94.40	102.66	110.92
<b>65</b>	50.74	50.74	51.92	53.10	55.46	58.41	61.95	66.67	71.98	77.88
<b>70</b>	37.17	37.17	37.76	38.94	40.12	41.89	44.25	46.61	50.15	53.10
<b>75</b>	25.37	25.37	25.96	26.55	27.14	28.32	29.50	30.68	32.45	34.81
<b>80</b>	14.75	15.34	15.34	15.34	15.93	16.52	17.11	17.70	18.29	19.47
<b>85</b>	6.49	6.49	6.49	6.49	6.49	6.49	7.08	7.08	7.67	7.67
<b>90</b>	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>
<b>0</b>	661.98	661.98	661.98	661.98	661.98	661.98	661.98	661.98	661.98
<b>5</b>	659.62	659.62	659.62	659.62	659.62	659.62	659.62	659.62	659.62
<b>10</b>	650.77	650.77	651.36	651.36	651.95	651.95	651.95	651.95	652.54
<b>15</b>	634.25	634.84	636.02	636.61	637.20	637.20	637.79	637.79	637.79
<b>20</b>	607.70	609.47	611.24	612.42	613.60	614.19	614.78	614.78	614.78
<b>25</b>	569.94	574.07	577.02	579.38	580.56	581.74	581.74	582.33	582.33
<b>30</b>	520.97	526.87	531.59	534.54	536.90	538.08	538.08	538.08	538.08
<b>35</b>	459.61	467.87	473.77	477.90	480.85	481.44	482.03	481.44	481.44
<b>40</b>	387.04	397.66	405.33	410.05	413.00	414.18	414.18	413.59	413.59
<b>45</b>	309.75	321.55	330.40	336.30	339.25	340.43	339.84	339.25	339.25
<b>50</b>	234.82	246.62	256.06	261.96	264.91	266.09	266.09	265.50	265.50
<b>55</b>	170.51	181.13	189.39	194.70	198.24	199.42	200.01	199.42	199.42
<b>60</b>	119.77	128.62	135.11	140.42	143.37	144.55	145.14	145.73	145.14
<b>65</b>	83.78	89.68	94.40	98.53	100.89	102.66	103.25	103.25	103.84
<b>70</b>	57.23	60.77	64.31	67.26	69.03	70.21	70.80	71.39	71.39
<b>75</b>	36.58	38.94	40.71	42.48	44.25	44.84	45.43	46.02	46.02
<b>80</b>	20.65	21.83	22.42	23.60	24.19	24.78	25.37	25.37	25.37
<b>85</b>	8.26	8.85	8.85	9.44	9.44	9.44	10.03	10.03	10.03
<b>90</b>	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	240.41	N.A.	19.20
0-30	497.24	N.A.	39.60
0-40	768.79	N.A.	61.30
0-60	1127.27	N.A.	89.90
0-80	1244.53	N.A.	99.20
0-90	1254.34	N.A.	100.00
10-90	1191.7	N.A.	95.00
20-40	528.38	N.A.	42.10
20-50	746.64	N.A.	59.50
40-70	437.56	N.A.	34.90
60-80	117.26	N.A.	9.30
70-80	38.19	N.A.	3.00
80-90	9.80	N.A.	0.80
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	1254.34	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	62.64
10-20	177.77
20-30	256.84
30-40	271.54
40-50	218.26
50-60	140.23
60-70	79.07
70-80	38.19
80-90	9.80
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

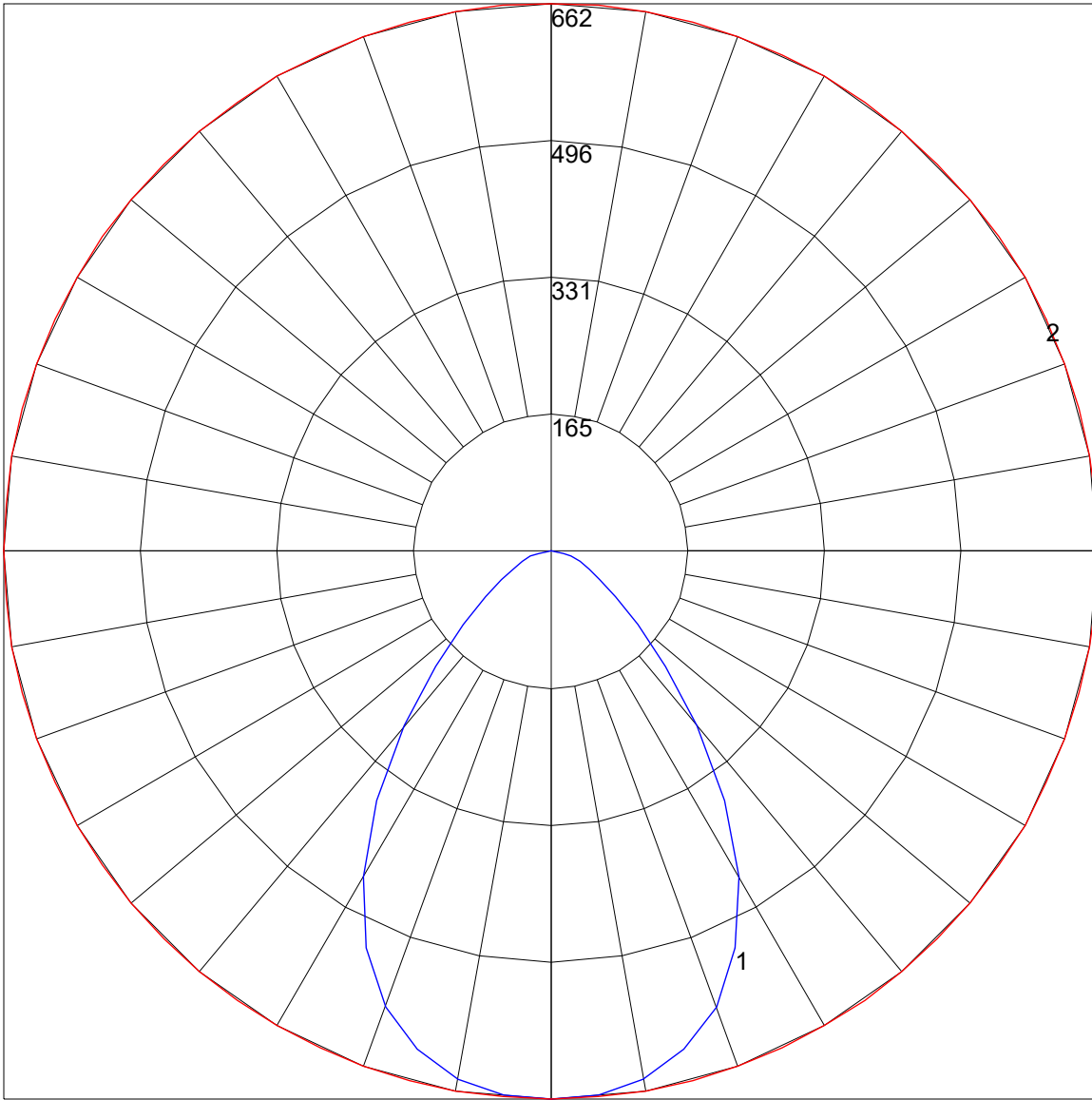
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60
5	82	71	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47
7	71	59	51	46	70	58	51	46	57	50	45	55	49	45	54	49	45	43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	37	48	42	37	47	41	37	35
10	59	47	39	35	58	46	39	35	45	39	34	44	38	34	44	38	34	33

POLAR GRAPH



Maximum Candela = 661.98 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.)