

IES Report

ZipTwo® | 707 | Diffuse | 80 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-35-D3-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	121	125	127	130
Total Lumens, 4' rail length (1219mm)	1956	2018	2059	2100
Lumens per foot (305mm)	489	504	515	525
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_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-LO-35-D3-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,
[MORE] diffuse lens, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2059
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	16.25
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	17984	18155	18269
55	15890	16007	16077
65	13709	13677	13582
75	11946	11634	11115
85	13573	12030	9408

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_LO_35_D3.IES

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	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5
5	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.5
10	783.5	784.0	783.5	784.0	783.5	784.0	784.0	784.0	784.0	784.0
15	763.5	763.5	764.0	763.5	764.0	764.0	764.0	764.5	764.5	764.5
20	735.0	735.5	735.5	735.5	735.5	735.5	736.0	736.0	736.5	736.5
25	697.5	698.0	698.0	698.0	698.5	698.5	699.0	699.5	700.0	700.0
30	652.0	652.0	652.5	652.5	653.0	653.5	654.0	654.5	655.0	655.5
35	598.5	598.5	599.0	599.0	599.5	600.0	600.5	601.5	601.5	602.5
40	538.0	538.5	538.5	539.0	539.5	540.0	540.5	541.0	542.0	542.5
45	473.0	473.5	473.5	473.5	474.5	475.0	475.0	476.0	476.5	477.5
50	406.0	406.0	406.0	406.5	407.0	407.5	407.5	408.5	409.0	409.5
55	339.0	339.0	339.5	339.5	340.0	340.0	340.5	341.0	341.0	341.5
60	275.0	275.0	275.0	275.0	275.5	275.5	275.5	275.5	276.0	276.0
65	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.0	215.0
70	161.5	161.5	161.5	161.5	161.5	161.5	161.0	161.0	160.5	160.0
75	115.0	115.0	114.5	114.5	114.5	114.0	113.5	113.0	112.5	112.0
80	75.5	75.5	75.0	75.0	74.5	74.0	73.5	73.0	72.5	71.5
85	44.0	44.0	43.5	43.0	43.0	42.0	41.5	40.5	40.0	39.0
90	19.0	19.0	18.5	18.5	17.5	17.0	16.0	15.0	14.0	13.0
95	13.0	13.0	13.0	12.5	12.0	11.5	11.0	10.5	9.5	8.5
100	12.5	12.5	12.5	12.0	11.5	11.0	10.5	10.0	9.5	8.5
105	12.0	12.0	12.0	11.5	11.5	11.0	10.5	9.5	9.0	8.5
110	12.0	12.0	11.5	11.5	11.0	10.5	10.0	0.0	0.0	0.0
115	11.5	11.5	11.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5
5	795.5	795.5	795.5	795.5	795.5	795.5	795.5	795.5	795.5
10	784.0	784.0	784.0	784.0	784.0	784.5	784.5	784.5	784.0
15	764.5	764.5	765.0	765.0	765.0	765.0	765.0	765.0	765.5
20	736.5	737.0	737.0	737.5	737.5	738.0	737.5	737.5	738.0
25	700.5	701.0	701.0	701.5	701.5	702.0	702.0	702.0	702.0
30	656.0	656.5	656.5	657.0	657.5	658.0	658.0	658.0	658.0
35	603.0	603.5	604.0	605.0	605.5	605.5	606.0	606.0	606.5
40	543.5	544.0	544.5	545.0	545.5	545.5	546.0	546.0	546.0
45	478.0	478.5	479.0	479.5	480.0	480.5	481.0	480.5	480.5
50	410.0	410.5	411.0	411.0	411.5	412.0	412.0	412.0	412.0
55	341.5	342.0	342.5	342.5	342.5	343.0	343.0	343.0	343.0
60	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_LO_35_D3.IES

CANDELA TABULATION - (Cont.)

65	215.0	215.0	214.5	214.5	214.5	214.0	213.5	213.5	213.5
70	160.0	159.5	159.0	158.5	158.0	158.0	157.5	157.0	157.0
75	111.5	111.0	110.0	109.5	109.0	108.0	107.5	107.0	107.0
80	70.5	70.0	69.0	68.0	67.0	66.5	65.5	65.0	64.5
85	38.0	37.0	35.5	34.5	33.5	32.5	31.5	31.0	30.5
90	11.5	10.5	9.0	8.0	6.5	5.5	4.0	3.0	2.5
95	8.0	7.0	6.0	5.0	4.0	3.0	2.5	1.5	1.0
100	7.5	7.0	6.0	5.0	4.0	3.5	2.5	2.0	0.0
105	7.5	7.0	6.0	5.0	0.0	0.0	0.0	0.0	0.0
110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_LO_35_D3.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	291.10	N.A.	14.10
0-30	613.29	N.A.	29.80
0-40	989.49	N.A.	48.00
0-60	1663.19	N.A.	80.80
0-80	1997.06	N.A.	97.00
0-90	2040.46	N.A.	99.10
10-90	1964.91	N.A.	95.40
20-40	698.39	N.A.	33.90
20-50	1066.28	N.A.	51.80
40-70	887.82	N.A.	43.10
60-80	333.88	N.A.	16.20
70-80	119.75	N.A.	5.80
80-90	43.40	N.A.	2.10
90-110	16.75	N.A.	0.80
90-120	18.86	N.A.	0.90
90-130	18.86	N.A.	0.90
90-150	18.86	N.A.	0.90
90-180	18.86	N.A.	0.90
110-180	2.12	N.A.	0.10
0-180	2059.32	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.55
10-20	215.55
20-30	322.19
30-40	376.20
40-50	367.89
50-60	305.80
60-70	214.13
70-80	119.75
80-90	43.40
90-100	9.85
100-110	6.89
110-120	2.12
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

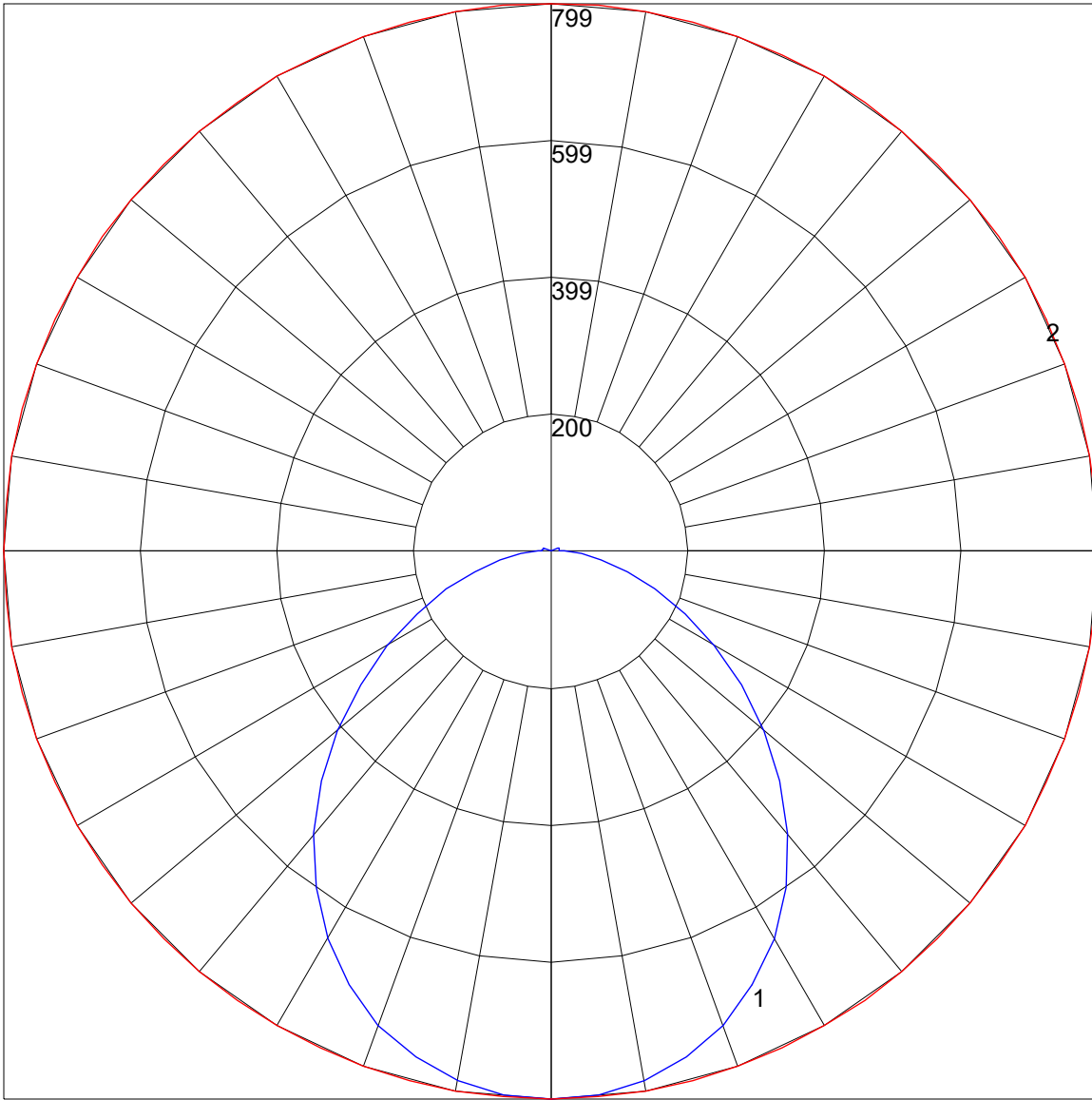
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_LO_35_D3.IES

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	84	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 = 798.5 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.)