

IES Report

ZipTwo® | 707 | Diffuse | 80 CRI | HO

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	146	151	154	154
Total Lumens, 4' rail length (1219mm)	5773	5956	6077	6077
Lumens per foot (305mm)	1443	1489	1519	1519
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_D3.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911534 (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-D3-AL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, diffuse 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	6077
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	39.55
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)	0.08 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	67070	67569	68067
55	59631	59836	60041
65	51729	51590	51173
75	45185	44277	42233
85	50571	45851	37086

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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	2366.40	2366.40	2366.40	2366.40	2366.40	2366.40	2366.40	2366.40	2366.40	2366.40
5	2357.70	2357.70	2357.70	2357.70	2357.70	2357.70	2357.70	2357.70	2357.70	2357.70
10	2324.64	2322.90	2324.64	2322.90	2324.64	2324.64	2322.90	2324.64	2324.64	2324.64
15	2263.74	2262.00	2262.00	2262.00	2262.00	2262.00	2263.74	2263.74	2263.74	2265.48
20	2176.74	2175.00	2176.74	2176.74	2176.74	2176.74	2178.48	2180.22	2180.22	2181.96
25	2063.64	2063.64	2065.38	2065.38	2067.12	2068.86	2068.86	2070.60	2072.34	2072.34
30	1927.92	1929.66	1929.66	1929.66	1929.66	1931.40	1934.88	1934.88	1936.62	1938.36
35	1771.32	1771.32	1771.32	1771.32	1773.06	1774.80	1776.54	1778.28	1780.02	1781.76
40	1595.58	1595.58	1595.58	1595.58	1599.06	1599.06	1600.80	1602.54	1602.54	1606.02
45	1404.18	1405.92	1405.92	1405.92	1407.66	1409.40	1409.40	1411.14	1411.14	1414.62
50	1209.30	1209.30	1209.30	1209.30	1209.30	1211.04	1212.78	1212.78	1212.78	1214.52
55	1012.68	1012.68	1012.68	1012.68	1014.42	1014.42	1014.42	1016.16	1016.16	1016.16
60	823.02	823.02	824.76	824.76	824.76	824.76	824.76	824.76	824.76	824.76
65	647.28	647.28	647.28	647.28	647.28	647.28	647.28	645.54	645.54	645.54
70	487.20	487.20	487.20	487.20	487.20	485.46	485.46	485.46	483.72	481.98
75	346.26	346.26	346.26	344.52	344.52	344.52	342.78	342.78	341.04	339.30
80	227.94	226.20	226.20	226.20	224.46	224.46	222.72	220.98	219.24	217.50
85	130.50	130.50	130.50	130.50	128.76	127.02	125.28	123.54	121.80	118.32
90	55.68	55.68	53.94	52.20	52.20	50.46	46.98	45.24	41.76	38.28
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	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	2366.40	2366.40	2366.40	2366.40	2366.40	2366.40	2366.40	2366.40	2366.40
5	2357.70	2357.70	2357.70	2357.70	2357.70	2357.70	2357.70	2357.70	2357.70
10	2324.64	2324.64	2324.64	2324.64	2326.38	2324.64	2326.38	2326.38	2324.64
15	2267.22	2267.22	2267.22	2268.96	2268.96	2268.96	2267.22	2268.96	2268.96
20	2181.96	2183.70	2185.44	2185.44	2187.18	2187.18	2185.44	2187.18	2185.44
25	2074.08	2075.82	2077.56	2079.30	2081.04	2081.04	2081.04	2081.04	2081.04
30	1940.10	1941.84	1941.84	1947.06	1945.32	1947.06	1948.80	1948.80	1948.80
35	1783.50	1786.98	1788.72	1788.72	1790.46	1792.20	1792.20	1793.94	1793.94
40	1606.02	1609.50	1611.24	1612.98	1614.72	1614.72	1616.46	1616.46	1616.46
45	1414.62	1416.36	1418.10	1419.84	1421.58	1423.32	1423.32	1423.32	1425.06
50	1216.26	1216.26	1218.00	1219.74	1219.74	1221.48	1221.48	1221.48	1221.48
55	1016.16	1017.90	1017.90	1017.90	1017.90	1019.64	1019.64	1019.64	1019.64
60	824.76	824.76	824.76	824.76	823.02	823.02	823.02	823.02	823.02

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CANDELA TABULATION - (Cont.)

65	643.80	643.80	643.80	642.06	642.06	640.32	640.32	638.58	640.32
70	481.98	480.24	478.50	478.50	476.76	475.02	473.28	473.28	473.28
75	337.56	335.82	334.08	330.60	328.86	327.12	325.38	325.38	323.64
80	215.76	212.28	210.54	207.06	205.32	203.58	200.10	198.36	198.36
85	116.58	113.10	109.62	107.88	104.40	100.92	99.18	97.44	95.70
90	34.80	33.06	29.58	26.10	22.62	19.14	15.66	13.92	10.44
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	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	862.75	N.A.	14.20
0-30	1816.68	N.A.	29.90
0-40	2929.83	N.A.	48.20
0-60	4930.87	N.A.	81.10
0-80	5934.88	N.A.	97.70
0-90	6067.07	N.A.	99.80
10-90	5843.1	N.A.	96.10
20-40	2067.08	N.A.	34.00
20-50	3157.55	N.A.	52.00
40-70	2643.16	N.A.	43.50
60-80	1004.01	N.A.	16.50
70-80	361.90	N.A.	6.00
80-90	132.19	N.A.	2.20
90-110	10.11	N.A.	0.20
90-120	10.11	N.A.	0.20
90-130	10.11	N.A.	0.20
90-150	10.11	N.A.	0.20
90-180	10.11	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	6077.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	223.98
10-20	638.77
20-30	953.94
30-40	1113.14
40-50	1090.47
50-60	910.57
60-70	642.11
70-80	361.90
80-90	132.19
90-100	10.11
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

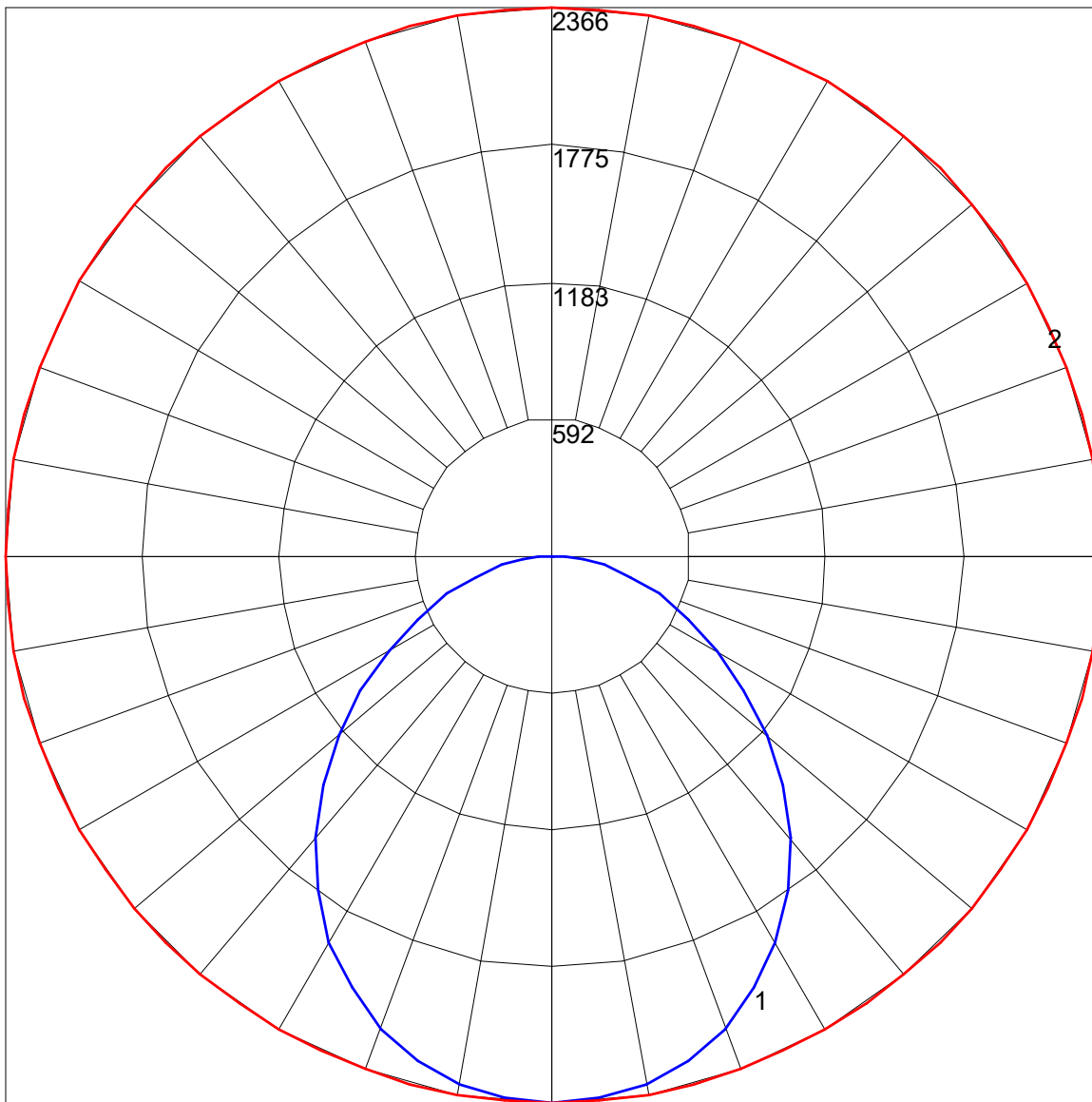
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	63	71	66	62	60
4	84	72	63	57	81	71	62	56	68	61	56	66	60	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	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	33	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 2366.4 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)