

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	150	154	157	161
Total Lumens, 4' rail length (1219mm)	5868	6053	6177	6301
Lumens per foot (305mm)	1467	1513	1544	1575
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	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_HO_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-HO-35-D3-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 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	6178
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
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	53951	54464	54807
55	47669	48020	48231
65	41127	41031	40745
75	35837	34902	33344
85	40718	36091	28225

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	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5
5	2385.0	2385.0	2385.0	2385.0	2385.0	2385.0	2385.0	2385.0	2385.0	2386.5
10	2350.5	2352.0	2350.5	2352.0	2350.5	2352.0	2352.0	2352.0	2352.0	2352.0
15	2290.5	2290.5	2292.0	2290.5	2292.0	2292.0	2292.0	2293.5	2293.5	2293.5
20	2205.0	2206.5	2206.5	2206.5	2206.5	2206.5	2208.0	2208.0	2209.5	2209.5
25	2092.5	2094.0	2094.0	2094.0	2095.5	2095.5	2097.0	2098.5	2100.0	2100.0
30	1956.0	1956.0	1957.5	1957.5	1959.0	1960.5	1962.0	1963.5	1965.0	1966.5
35	1795.5	1795.5	1797.0	1797.0	1798.5	1800.0	1801.5	1804.5	1804.5	1807.5
40	1614.0	1615.5	1615.5	1617.0	1618.5	1620.0	1621.5	1623.0	1626.0	1627.5
45	1419.0	1420.5	1420.5	1420.5	1423.5	1425.0	1425.0	1428.0	1429.5	1432.5
50	1218.0	1218.0	1218.0	1219.5	1221.0	1222.5	1222.5	1225.5	1227.0	1228.5
55	1017.0	1017.0	1018.5	1018.5	1020.0	1020.0	1021.5	1023.0	1023.0	1024.5
60	825.0	825.0	825.0	825.0	826.5	826.5	826.5	826.5	828.0	828.0
65	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5	645.0	645.0
70	484.5	484.5	484.5	484.5	484.5	484.5	483.0	483.0	481.5	480.0
75	345.0	345.0	343.5	343.5	343.5	342.0	340.5	339.0	337.5	336.0
80	226.5	226.5	225.0	225.0	223.5	222.0	220.5	219.0	217.5	214.5
85	132.0	132.0	130.5	129.0	129.0	126.0	124.5	121.5	120.0	117.0
90	57.0	57.0	55.5	55.5	52.5	51.0	48.0	45.0	42.0	39.0
95	39.0	39.0	39.0	37.5	36.0	34.5	33.0	31.5	28.5	25.5
100	37.5	37.5	37.5	36.0	34.5	33.0	31.5	30.0	28.5	25.5
105	36.0	36.0	36.0	34.5	34.5	33.0	31.5	28.5	27.0	25.5
110	36.0	36.0	34.5	34.5	33.0	31.5	30.0	0.0	0.0	0.0
115	34.5	34.5	34.5	33.0	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	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5
5	2386.5	2386.5	2386.5	2386.5	2386.5	2386.5	2386.5	2386.5	2386.5
10	2352.0	2352.0	2352.0	2352.0	2352.0	2353.5	2353.5	2353.5	2352.0
15	2293.5	2293.5	2295.0	2295.0	2295.0	2295.0	2295.0	2295.0	2296.5
20	2209.5	2211.0	2211.0	2212.5	2212.5	2214.0	2212.5	2212.5	2214.0
25	2101.5	2103.0	2103.0	2104.5	2104.5	2106.0	2106.0	2106.0	2106.0
30	1968.0	1969.5	1969.5	1971.0	1972.5	1974.0	1974.0	1974.0	1974.0
35	1809.0	1810.5	1812.0	1815.0	1816.5	1816.5	1818.0	1818.0	1819.5
40	1630.5	1632.0	1633.5	1635.0	1636.5	1636.5	1638.0	1638.0	1638.0
45	1434.0	1435.5	1437.0	1438.5	1440.0	1441.5	1443.0	1441.5	1441.5
50	1230.0	1231.5	1233.0	1233.0	1234.5	1236.0	1236.0	1236.0	1236.0
55	1024.5	1026.0	1027.5	1027.5	1027.5	1029.0	1029.0	1029.0	1029.0
60	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0

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CANDELA TABULATION - (Cont.)

65	645.0	645.0	643.5	643.5	643.5	642.0	640.5	640.5	640.5
70	480.0	478.5	477.0	475.5	474.0	474.0	472.5	471.0	471.0
75	334.5	333.0	330.0	328.5	327.0	324.0	322.5	321.0	321.0
80	211.5	210.0	207.0	204.0	201.0	199.5	196.5	195.0	193.5
85	114.0	111.0	106.5	103.5	100.5	97.5	94.5	93.0	91.5
90	34.5	31.5	27.0	24.0	19.5	16.5	12.0	9.0	7.5
95	24.0	21.0	18.0	15.0	12.0	9.0	7.5	4.5	3.0
100	22.5	21.0	18.0	15.0	12.0	10.5	7.5	6.0	0.0
105	22.5	21.0	18.0	15.0	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	873.31	N.A.	14.10
0-30	1839.87	N.A.	29.80
0-40	2968.48	N.A.	48.00
0-60	4989.56	N.A.	80.80
0-80	5991.19	N.A.	97.00
0-90	6121.37	N.A.	99.10
10-90	5894.73	N.A.	95.40
20-40	2095.17	N.A.	33.90
20-50	3198.84	N.A.	51.80
40-70	2663.46	N.A.	43.10
60-80	1001.63	N.A.	16.20
70-80	359.25	N.A.	5.80
80-90	130.19	N.A.	2.10
90-110	50.24	N.A.	0.80
90-120	56.59	N.A.	0.90
90-130	56.59	N.A.	0.90
90-150	56.59	N.A.	0.90
90-180	56.59	N.A.	0.90
110-180	6.35	N.A.	0.10
0-180	6177.96	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	226.65
10-20	646.66
20-30	966.56
30-40	1128.61
40-50	1103.68
50-60	917.40
60-70	642.38
70-80	359.25
80-90	130.19
90-100	29.56
100-110	20.68
110-120	6.35
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

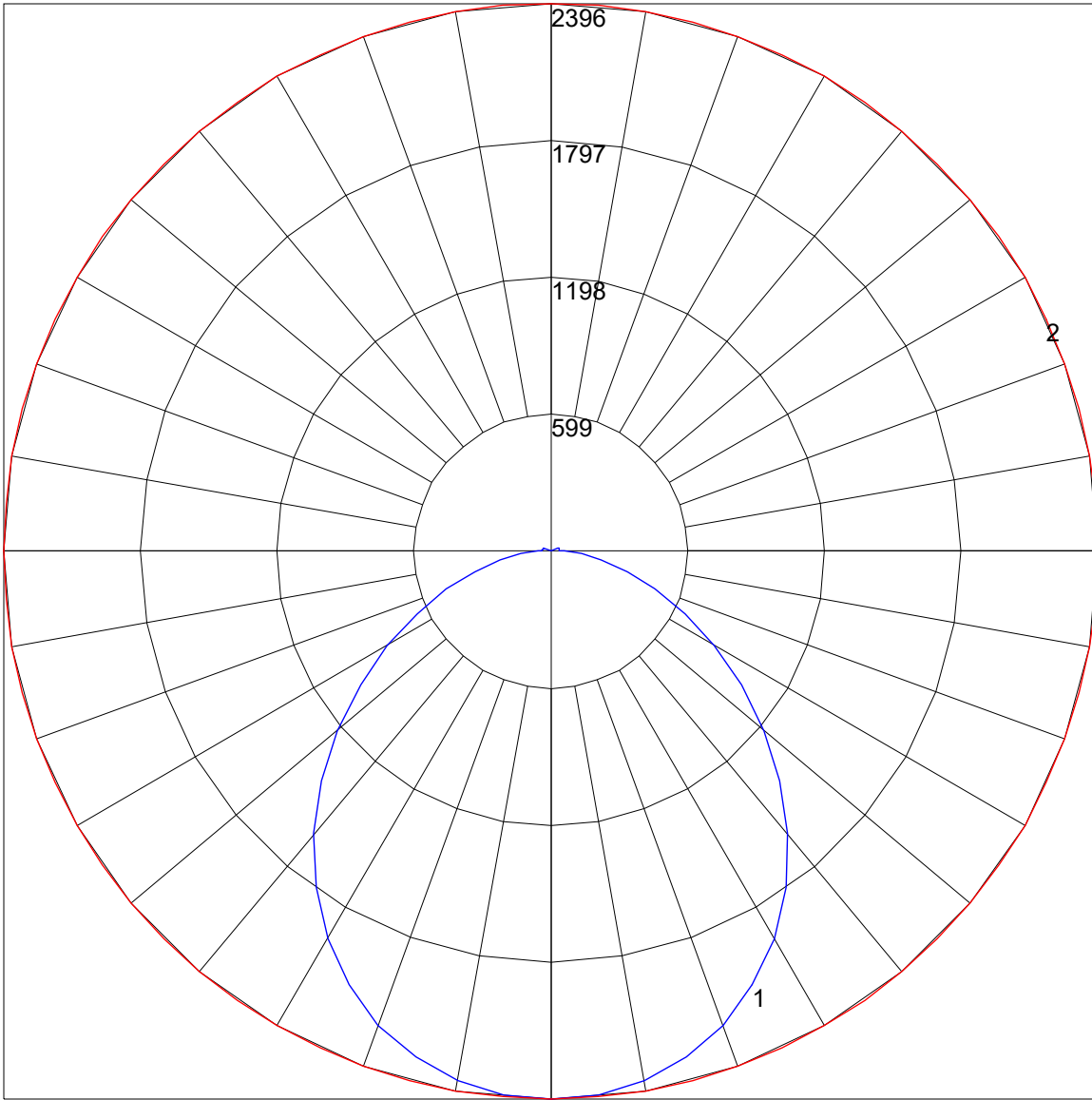
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 2395.5 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.)