

IES Report

ZipTwo® | 707 | Diffuse with MicroBaffle | 80 CRI | HO

707-Z2-4-48-XX-XX-X-0-Z-HO-35-D4-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	130	135	137	137
Total Lumens, 4' rail length (1219mm)	5141	5303	5411	5411
Lumens per foot (305mm)	1285	1326	1353	1353
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_D4.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911535 (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-D4-AL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, micro 3508, diffuse lens with microbaffle,

[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	5411
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	39.55
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.24
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	65990	58593	50531
55	57889	48975	40369
65	49504	40744	32817
75	42460	34513	27247
85	47200	37086	24949

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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	2375.10	2375.10	2375.10	2375.10	2375.10	2375.10	2375.10	2375.10	2375.10	2375.10
5	2366.40	2364.66	2364.66	2364.66	2364.66	2364.66	2364.66	2364.66	2364.66	2364.66
10	2329.86	2329.86	2329.86	2329.86	2328.12	2328.12	2326.38	2324.64	2324.64	2322.90
15	2268.96	2268.96	2268.96	2267.22	2263.74	2262.00	2260.26	2256.78	2253.30	2249.82
20	2180.22	2178.48	2176.74	2175.00	2171.52	2168.04	2162.82	2157.60	2150.64	2143.68
25	2063.64	2063.64	2060.16	2058.42	2051.46	2044.50	2037.54	2027.10	2016.66	2006.22
30	1924.44	1922.70	1919.22	1914.00	1905.30	1894.86	1882.68	1870.50	1853.10	1837.44
35	1759.14	1757.40	1753.92	1746.96	1736.52	1722.60	1706.94	1687.80	1666.92	1644.30
40	1576.44	1574.70	1569.48	1562.52	1548.60	1532.94	1512.06	1489.44	1465.08	1435.50
45	1381.56	1379.82	1374.60	1365.90	1350.24	1332.84	1310.22	1284.12	1256.28	1226.70
50	1181.46	1179.72	1174.50	1165.80	1150.14	1131.00	1108.38	1080.54	1052.70	1021.38
55	983.10	981.36	976.14	967.44	953.52	934.38	913.50	887.40	859.56	831.72
60	795.18	793.44	788.22	779.52	767.34	749.94	730.80	708.18	685.56	659.46
65	619.44	617.70	614.22	607.26	596.82	582.90	567.24	548.10	528.96	509.82
70	461.10	461.10	457.62	452.40	443.70	433.26	421.08	407.16	391.50	377.58
75	325.38	325.38	321.90	318.42	313.20	304.50	295.80	287.10	274.92	264.48
80	214.02	214.02	212.28	208.80	205.32	200.10	193.14	187.92	179.22	172.26
85	121.80	121.80	120.06	118.32	116.58	113.10	109.62	104.40	100.92	95.70
90	52.20	52.20	50.46	48.72	46.98	45.24	43.50	40.02	36.54	33.06
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	2375.10	2375.10	2375.10	2375.10	2375.10	2375.10	2375.10	2375.10	2375.10
5	2364.66	2362.92	2362.92	2362.92	2362.92	2362.92	2362.92	2362.92	2361.18
10	2321.16	2319.42	2317.68	2317.68	2315.94	2315.94	2315.94	2314.20	2314.20
15	2246.34	2242.86	2239.38	2235.90	2232.42	2230.68	2228.94	2228.94	2227.20
20	2136.72	2129.76	2122.80	2117.58	2112.36	2107.14	2103.66	2101.92	2101.92
25	1994.04	1981.86	1971.42	1960.98	1950.54	1943.58	1938.36	1934.88	1933.14
30	1820.04	1802.64	1785.24	1771.32	1757.40	1745.22	1738.26	1733.04	1729.56
35	1621.68	1599.06	1576.44	1557.30	1539.90	1525.98	1515.54	1508.58	1506.84
40	1409.40	1381.56	1357.20	1332.84	1315.44	1298.04	1287.60	1280.64	1277.16
45	1195.38	1165.80	1139.70	1115.34	1094.46	1078.80	1066.62	1059.66	1057.92
50	991.80	962.22	936.12	913.50	894.36	878.70	868.26	861.30	859.56
55	803.88	777.78	753.42	734.28	716.88	702.96	694.26	687.30	685.56
60	636.84	614.22	595.08	577.68	563.76	551.58	544.62	539.40	537.66

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CANDELA TABULATION - (Cont.)

65	488.94	471.54	455.88	441.96	431.52	422.82	415.86	412.38	410.64
70	363.66	349.74	337.56	327.12	318.42	311.46	306.24	302.76	302.76
75	254.04	245.34	236.64	227.94	222.72	217.50	212.28	210.54	208.80
80	165.30	158.34	153.12	146.16	142.68	137.46	133.98	132.24	132.24
85	90.48	87.00	81.78	78.30	74.82	71.34	67.86	66.12	64.38
90	31.32	27.84	24.36	20.88	17.40	13.92	12.18	8.70	6.96
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	857.38	N.A.	15.80
0-30	1777.29	N.A.	32.80
0-40	2800.84	N.A.	51.80
0-60	4495.81	N.A.	83.10
0-80	5294.73	N.A.	97.80
0-90	5402.49	N.A.	99.80
10-90	5178.19	N.A.	95.70
20-40	1943.46	N.A.	35.90
20-50	2888.72	N.A.	53.40
40-70	2207.13	N.A.	40.80
60-80	798.92	N.A.	14.80
70-80	286.75	N.A.	5.30
80-90	107.76	N.A.	2.00
90-110	8.87	N.A.	0.20
90-120	8.87	N.A.	0.20
90-130	8.87	N.A.	0.20
90-150	8.87	N.A.	0.20
90-180	8.87	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	5411.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	224.30
10-20	633.08
20-30	919.91
30-40	1023.55
40-50	945.26
50-60	749.71
60-70	512.17
70-80	286.75
80-90	107.76
90-100	8.87
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

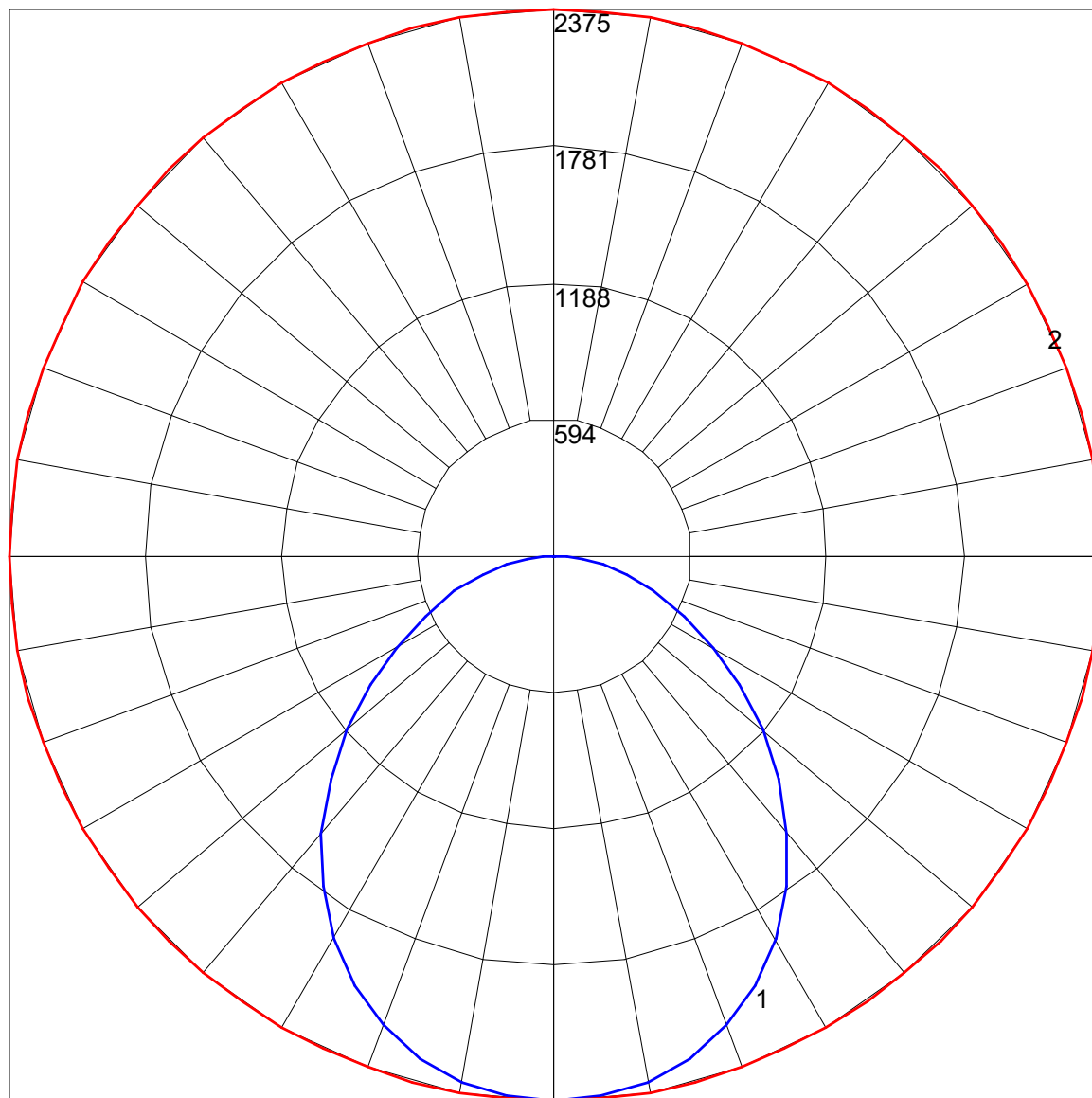
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	70	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	73	60	51	45	71	59	51	45	57	50	45	55	49	44	54	48	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	49	44	39	37
8	63	50	42	36	62	49	42	36	48	41	36	47	40	36	46	40	35	34
9	59	46	38	33	58	46	38	33	44	37	33	43	37	32	42	37	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28

POLAR GRAPH



Maximum Candela = 2375.1 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.)