

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 40° Symmetric, down | 80 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U1S1-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	96	99	101	103
Total Lumens, 4' rail length (1219mm)	10207	10530	10744	10959
Lumens per foot (305mm)	2552	2632	2686	2740
Lumens per foot UP (305mm)	1685	1739	1774	1719
Lumens per foot DOWN (305mm)	867	894	912	884
Input Power (W), 4' rail length (1219mm)	107.2	107.2	107.2	107.2
Watts per foot (305mm)	26.8	26.8	26.8	26.8
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_Z3_CC_HO_35_U1S1_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805801R01 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB

[ISSUEDATE] 4/12/2018

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z3-CC-Z-HO-35-U1S1-AL

[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,

[MORE] symmetric lens up/40° symmetric lens down, 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	10744
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	107.19
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.25 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4975	8723	18419
55	3392	5546	12576
65	2742	3944	8420
75	2126	2856	5692
85	999	1296	2843

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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>
0.0	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188
1.0	2635.984	2635.984	2635.984	2635.984	2635.984	2635.984	2638.188	2638.188	2638.188	2638.188
3.0	2616.148	2616.148	2616.148	2616.148	2618.352	2618.352	2620.556	2622.760	2622.760	2624.964
5.0	2572.068	2574.272	2574.272	2576.476	2578.680	2583.088	2587.496	2589.700	2594.108	2598.516
7.0	2510.356	2512.560	2514.764	2519.172	2523.580	2530.192	2536.804	2545.620	2552.232	2561.048
9.0	2431.012	2431.012	2435.420	2442.032	2448.644	2459.664	2470.684	2483.908	2497.132	2510.356
11.0	2329.628	2331.832	2338.444	2347.260	2358.280	2373.708	2389.136	2408.972	2428.808	2450.848
13.0	2215.020	2217.224	2223.836	2237.060	2252.488	2272.324	2294.364	2320.812	2347.260	2375.912
15.0	2084.984	2087.188	2096.004	2111.432	2131.268	2157.716	2186.368	2219.428	2256.896	2292.160
17.0	1943.928	1946.132	1957.152	1974.784	2001.232	2032.088	2067.352	2107.024	2151.104	2197.388
19.5	1754.384	1758.792	1772.016	1794.056	1822.708	1860.176	1904.256	1954.948	2007.844	2062.944
22.5	1520.760	1525.168	1540.596	1564.840	1600.104	1644.184	1697.080	1754.384	1820.504	1886.624
25.5	1287.136	1293.748	1309.176	1337.828	1375.296	1423.784	1481.088	1547.208	1622.144	1701.488
29.0	1035.880	1040.288	1057.920	1086.572	1126.244	1174.732	1234.240	1304.768	1388.520	1474.476
33.0	789.032	793.440	808.868	835.316	872.784	919.068	976.372	1046.900	1126.244	1216.608
37.5	573.040	577.448	590.672	610.508	641.364	681.036	731.728	793.440	866.172	949.924
42.5	405.536	407.740	418.760	434.188	456.228	487.084	524.552	573.040	632.548	700.872
47.5	297.540	299.744	306.356	315.172	332.804	352.640	381.292	414.352	458.432	509.124
55.0	200.564	202.768	204.972	211.584	218.196	231.420	244.644	264.480	288.724	319.580
65.0	125.628	125.628	127.832	130.036	132.240	136.648	143.260	152.076	160.892	174.116
75.0	66.120	66.120	66.120	68.324	68.324	70.528	72.732	74.936	79.344	83.752
85.0	15.428	15.428	15.428	15.428	15.428	17.632	17.632	17.632	17.632	17.632
90.0	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204
95.0	57.304	57.304	57.304	59.508	59.508	59.508	59.508	59.508	61.712	61.712
100.0	154.280	156.484	156.484	156.484	158.688	160.892	165.300	167.504	171.912	174.116
105.0	288.724	288.724	290.928	293.132	297.540	299.744	306.356	310.764	315.172	321.784
110.0	454.024	456.228	456.228	460.636	465.044	471.656	476.064	484.880	491.492	500.308
115.0	650.180	652.384	654.588	658.996	665.608	672.220	678.832	687.648	698.668	709.688
120.0	877.192	879.396	881.600	886.008	892.620	901.436	912.456	923.476	934.496	945.516
125.0	1130.652	1132.856	1135.060	1141.672	1148.284	1157.100	1168.120	1179.140	1192.364	1205.588
130.0	1399.540	1401.744	1403.948	1410.560	1417.172	1425.988	1437.008	1450.232	1463.456	1474.476
135.0	1670.632	1672.836	1675.040	1681.652	1688.264	1697.080	1705.896	1714.712	1725.732	1736.752
140.0	1928.500	1928.500	1930.704	1935.112	1941.724	1948.336	1954.948	1961.560	1968.172	1974.784
145.0	2155.512	2155.512	2157.716	2159.920	2162.124	2166.532	2170.940	2175.348	2179.756	2184.164
150.0	2342.852	2342.852	2342.852	2345.056	2345.056	2347.260	2349.464	2351.668	2353.872	2358.280
155.0	2490.520	2490.520	2492.724	2492.724	2492.724	2494.928	2494.928	2497.132	2499.336	2501.540
160.0	2609.536	2609.536	2609.536	2609.536	2609.536	2611.740	2611.740	2613.944	2613.944	2616.148
165.0	2699.900	2699.900	2699.900	2699.900	2699.900	2702.104	2702.104	2704.308	2704.308	2706.512
170.0	2766.020	2766.020	2768.224	2768.224	2768.224	2768.224	2770.428	2770.428	2770.428	2772.632
175.0	2812.304	2812.304	2812.304	2812.304	2812.304	2812.304	2812.304	2812.304	2814.508	2814.508
180.0	2827.732	2827.732	2827.732	2827.732	2827.732	2827.732	2827.732	2827.732	2827.732	2827.732

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>
0.0	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188
1.0	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188	2638.188
3.0	2627.168	2629.372	2629.372	2631.576	2631.576	2633.780	2633.780	2633.780	2633.780
5.0	2602.924	2609.536	2613.944	2616.148	2620.556	2622.760	2624.964	2624.964	2624.964
7.0	2572.068	2578.680	2587.496	2594.108	2600.720	2607.332	2609.536	2613.944	2613.944
9.0	2525.784	2541.212	2554.436	2565.456	2576.476	2585.292	2591.904	2596.312	2596.312
11.0	2470.684	2492.724	2512.560	2530.192	2545.620	2558.844	2567.660	2572.068	2574.272
13.0	2406.768	2433.216	2461.868	2486.112	2505.948	2523.580	2536.804	2545.620	2547.824
15.0	2329.628	2367.096	2402.360	2433.216	2461.868	2483.908	2499.336	2510.356	2514.764

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17.0	2243.672	2289.956	2331.832	2373.708	2406.768	2437.624	2457.460	2470.684	2475.092
19.5	2122.452	2179.756	2234.856	2287.752	2329.628	2367.096	2395.748	2411.176	2417.788
22.5	1961.560	2032.088	2102.616	2166.532	2221.632	2270.120	2305.384	2327.424	2334.036
25.5	1785.240	1868.992	1952.744	2029.884	2098.208	2153.308	2199.592	2226.040	2234.856
29.0	1569.248	1666.224	1758.792	1849.156	1930.704	2001.232	2051.924	2084.984	2096.004
33.0	1315.788	1419.376	1522.964	1626.552	1719.120	1798.464	1857.972	1893.236	1908.664
37.5	1044.696	1146.080	1251.872	1359.868	1456.844	1542.800	1606.716	1646.388	1661.816
42.5	782.420	870.580	967.556	1066.736	1159.304	1240.852	1306.972	1346.644	1362.072
47.5	570.836	641.364	718.504	802.256	879.396	952.128	1009.432	1044.696	1060.124
55.0	357.048	398.924	445.208	498.104	548.796	595.080	636.956	661.200	672.220
65.0	189.544	209.380	229.216	253.460	275.500	297.540	315.172	328.396	332.804
75.0	88.160	94.772	101.384	110.200	119.016	125.628	132.240	136.648	138.852
85.0	19.836	19.836	19.836	22.040	22.040	22.040	24.244	24.244	24.244
90.0	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204
95.0	61.712	61.712	63.916	66.120	66.120	66.120	66.120	66.120	66.120
100.0	178.524	180.728	182.932	185.136	187.340	189.544	189.544	189.544	189.544
105.0	326.192	332.804	337.212	341.620	343.824	346.028	348.232	348.232	348.232
110.0	506.920	515.736	522.348	528.960	533.368	537.776	539.980	539.980	539.980
115.0	720.708	729.524	738.340	747.156	751.564	755.972	760.380	762.584	762.584
120.0	958.740	971.964	980.780	989.596	998.412	1002.820	1007.228	1009.432	1011.636
125.0	1218.812	1232.036	1243.056	1251.872	1258.484	1265.096	1269.504	1273.912	1273.912
130.0	1487.700	1498.720	1507.536	1516.352	1520.760	1527.372	1533.984	1538.392	1540.596
135.0	1745.568	1754.384	1760.996	1767.608	1774.220	1780.832	1785.240	1789.648	1791.852
140.0	1981.396	1988.008	1992.416	1999.028	2003.436	2007.844	2014.456	2018.864	2021.068
145.0	2186.368	2190.776	2195.184	2199.592	2204.000	2210.612	2215.020	2219.428	2221.632
150.0	2360.484	2362.688	2367.096	2371.504	2375.912	2380.320	2384.728	2386.932	2389.136
155.0	2503.744	2505.948	2508.152	2512.560	2516.968	2521.376	2523.580	2525.784	2527.988
160.0	2618.352	2620.556	2622.760	2627.168	2629.372	2633.780	2635.984	2638.188	2638.188
165.0	2708.716	2710.920	2713.124	2715.328	2717.532	2719.736	2721.940	2721.940	2721.940
170.0	2774.836	2774.836	2777.040	2777.040	2779.244	2781.448	2781.448	2781.448	2781.448
175.0	2814.508	2814.508	2814.508	2814.508	2816.712	2816.712	2816.712	2816.712	2816.712
180.0	2827.732	2827.732	2827.732	2827.732	2827.732	2827.732	2827.732	2827.732	2827.732

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U1S1_AL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	847.55	N.A.	7.90
0-30	1611.52	N.A.	15.00
0-40	2258.07	N.A.	21.00
0-60	3158.56	N.A.	29.40
0-80	3582.58	N.A.	33.30
0-90	3648.47	N.A.	34.00
10-90	3449.22	N.A.	32.10
20-40	1410.52	N.A.	13.10
20-50	2000.65	N.A.	18.60
40-70	1173.82	N.A.	10.90
60-80	424.02	N.A.	3.90
70-80	150.69	N.A.	1.40
80-90	65.89	N.A.	0.60
90-110	427.91	N.A.	4.00
90-120	1135.75	N.A.	10.60
90-130	2214.42	N.A.	20.60
90-150	4911.15	N.A.	45.70
90-180	7096.01	N.A.	66.00
110-180	6668.11	N.A.	62.10
0-180	10744.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	199.25
10-20	648.31
20-30	763.97
30-40	646.55
40-50	590.13
50-60	310.36
60-70	273.33
70-80	150.69
80-90	65.89
90-100	81.55
100-110	346.36
110-120	707.84
120-130	1078.67
130-140	1333.66
140-150	1363.06
150-160	1153.17
160-170	764.36
170-180	267.34

IES INDOOR REPORT

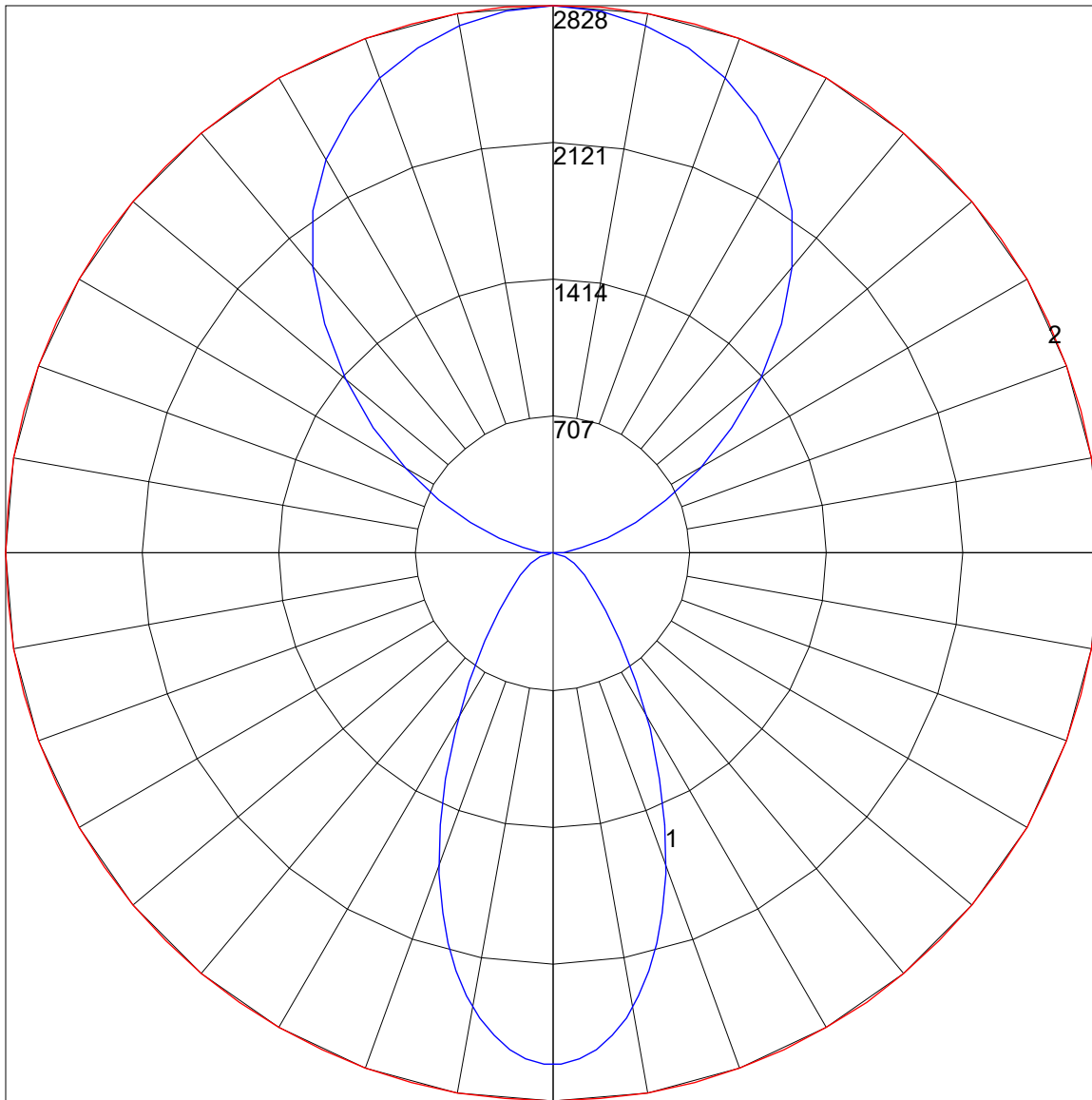
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U1S1_AL.IES

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	95	91	87	84	85	82	79	76	66	64	62	51	50	49	37	37	36	30
2	87	80	74	69	78	72	68	64	58	55	52	46	43	42	34	32	31	26
3	80	71	64	59	72	64	59	54	52	48	45	41	38	36	30	29	27	23
4	73	63	56	50	66	57	51	46	47	42	39	37	34	31	28	26	24	20
5	67	57	49	44	61	52	45	40	42	38	34	34	30	28	25	23	22	18
6	62	51	44	38	56	47	40	35	38	34	30	31	27	25	23	21	20	16
7	58	46	39	34	52	42	36	31	35	30	27	28	25	22	22	19	18	15
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14
9	50	39	32	27	45	36	29	25	30	25	22	24	21	18	19	16	15	13
10	47	36	29	24	43	33	27	23	27	23	20	22	19	17	17	15	14	12

POLAR GRAPH



Maximum Candela = 2827.732 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)