

**IES Report**

**ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 80° Symmetric, down | 80 CRI | HO**

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U2S7-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	110	114	116	118
Total Lumens, 4' rail length (1219mm)	11752	12123	12370	12618
Lumens per foot (305mm)	2938	3031	3093	3154
Lumens per foot UP (305mm)	1676	1728	1764	1709
Lumens per foot DOWN (305mm)	1262	1302	1329	1288
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](http://vode.com).



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_HO\_35\_U2S7\_AL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805806R01 (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-U2S7-AL

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

[MORE] symmetric lens with edgeglow up/80° 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	12370
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	107.19
Ballast Factor	1.00
CIE Type	General Diffuse
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	14411	19177	19927
55	7678	12353	14061
65	4426	7339	9703
75	2764	4360	6685
85	1142	1620	3360

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>
<b>0.0</b>	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492
<b>1.0</b>	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492
<b>3.0</b>	2691.084	2691.084	2691.084	2691.084	2691.084	2691.084	2691.084	2691.084	2691.084	2691.084
<b>5.0</b>	2682.268	2682.268	2682.268	2682.268	2684.472	2684.472	2684.472	2684.472	2684.472	2684.472
<b>7.0</b>	2671.248	2671.248	2671.248	2671.248	2671.248	2671.248	2673.452	2673.452	2673.452	2673.452
<b>9.0</b>	2653.616	2653.616	2653.616	2655.820	2655.820	2655.820	2655.820	2658.024	2658.024	2658.024
<b>11.0</b>	2633.780	2633.780	2633.780	2633.780	2635.984	2635.984	2635.984	2638.188	2638.188	2640.392
<b>13.0</b>	2607.332	2607.332	2607.332	2607.332	2609.536	2611.740	2611.740	2613.944	2613.944	2616.148
<b>15.0</b>	2574.272	2576.476	2576.476	2576.476	2578.680	2580.884	2583.088	2585.292	2585.292	2587.496
<b>17.0</b>	2536.804	2539.008	2539.008	2541.212	2543.416	2545.620	2547.824	2550.028	2552.232	2554.436
<b>19.5</b>	2481.704	2481.704	2483.908	2486.112	2488.316	2492.724	2497.132	2499.336	2501.540	2503.744
<b>22.5</b>	2395.748	2397.952	2400.156	2404.564	2408.972	2415.584	2419.992	2424.400	2428.808	2433.216
<b>25.5</b>	2289.956	2292.160	2296.568	2300.976	2309.792	2318.608	2327.424	2334.036	2340.648	2345.056
<b>29.0</b>	2131.268	2133.472	2140.084	2151.104	2164.328	2177.552	2190.776	2204.000	2212.816	2219.428
<b>33.0</b>	1902.052	1906.460	1917.480	1932.908	1954.948	1976.988	1999.028	2018.864	2034.292	2045.312
<b>37.5</b>	1586.880	1593.492	1608.920	1630.960	1661.816	1694.876	1730.140	1763.200	1787.444	1807.280
<b>42.5</b>	1198.976	1205.588	1225.424	1254.076	1291.544	1335.624	1381.908	1428.192	1467.864	1496.516
<b>47.5</b>	837.520	844.132	861.764	890.416	930.088	976.372	1024.860	1077.756	1126.244	1163.712
<b>55.0</b>	454.024	456.228	469.452	489.288	515.736	548.796	588.468	630.344	674.424	711.892
<b>65.0</b>	202.768	204.972	209.380	215.992	227.012	242.440	260.072	279.908	301.948	323.988
<b>75.0</b>	85.956	88.160	88.160	90.364	94.772	99.180	103.588	110.200	119.016	127.832
<b>85.0</b>	17.632	17.632	17.632	17.632	17.632	19.836	19.836	19.836	22.040	22.040
<b>90.0</b>	33.060	33.060	33.060	30.856	30.856	28.652	26.448	24.244	22.040	19.836
<b>95.0</b>	90.364	90.364	90.364	90.364	88.160	88.160	85.956	83.752	83.752	81.548
<b>100.0</b>	189.544	189.544	189.544	189.544	189.544	189.544	189.544	189.544	189.544	189.544
<b>105.0</b>	310.764	312.968	312.968	315.172	315.172	317.376	319.580	321.784	326.192	328.396
<b>110.0</b>	467.248	469.452	469.452	471.656	476.064	480.472	484.880	489.288	495.900	500.308
<b>115.0</b>	658.996	658.996	661.200	665.608	670.016	676.628	683.240	689.852	698.668	707.484
<b>120.0</b>	881.600	883.804	886.008	890.416	894.824	903.640	910.252	921.272	932.292	941.108
<b>125.0</b>	1132.856	1135.060	1137.264	1141.672	1148.284	1157.100	1165.916	1176.936	1187.956	1201.180
<b>130.0</b>	1401.744	1401.744	1406.152	1410.560	1417.172	1425.988	1434.804	1445.824	1456.844	1467.864
<b>135.0</b>	1668.428	1670.632	1672.836	1677.244	1683.856	1690.468	1699.284	1708.100	1716.916	1725.732
<b>140.0</b>	1919.684	1921.888	1924.092	1926.296	1930.704	1935.112	1941.724	1948.336	1954.948	1959.356
<b>145.0</b>	2140.084	2140.084	2140.084	2142.288	2144.492	2148.900	2151.104	2155.512	2157.716	2162.124
<b>150.0</b>	2318.608	2318.608	2318.608	2320.812	2320.812	2323.016	2325.220	2325.220	2327.424	2329.628
<b>155.0</b>	2459.664	2459.664	2461.868	2461.868	2461.868	2461.868	2464.072	2464.072	2466.276	2466.276
<b>160.0</b>	2572.068	2572.068	2572.068	2572.068	2574.272	2574.272	2576.476	2576.476	2576.476	2578.680
<b>165.0</b>	2658.024	2658.024	2658.024	2658.024	2658.024	2658.024	2658.024	2658.024	2660.228	2660.228
<b>170.0</b>	2717.532	2715.328	2717.532	2717.532	2717.532	2717.532	2717.532	2717.532	2717.532	2717.532
<b>175.0</b>	2750.592	2750.592	2750.592	2750.592	2750.592	2752.796	2750.592	2752.796	2752.796	2752.796
<b>180.0</b>	2763.816	2763.816	2763.816	2763.816	2763.816	2763.816	2763.816	2763.816	2763.816	2763.816

Vert. 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>
<b>0.0</b>	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492
<b>1.0</b>	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492
<b>3.0</b>	2691.084	2691.084	2691.084	2691.084	2691.084	2691.084	2693.288	2693.288	2693.288
<b>5.0</b>	2684.472	2684.472	2684.472	2684.472	2684.472	2684.472	2684.472	2684.472	2684.472
<b>7.0</b>	2673.452	2673.452	2673.452	2673.452	2675.656	2675.656	2675.656	2675.656	2675.656
<b>9.0</b>	2658.024	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228
<b>11.0</b>	2640.392	2640.392	2640.392	2642.596	2642.596	2642.596	2642.596	2642.596	2642.596
<b>13.0</b>	2616.148	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2620.556
<b>15.0</b>	2587.496	2589.700	2589.700	2591.904	2591.904	2591.904	2591.904	2591.904	2591.904

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**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	2554.436	2556.640	2556.640	2556.640	2556.640	2556.640	2556.640	2556.640	2556.640
<b>19.5</b>	2505.948	2505.948	2508.152	2508.152	2505.948	2505.948	2505.948	2505.948	2505.948
<b>22.5</b>	2433.216	2435.420	2435.420	2433.216	2433.216	2431.012	2428.808	2428.808	2428.808
<b>25.5</b>	2347.260	2347.260	2347.260	2345.056	2340.648	2338.444	2336.240	2334.036	2334.036
<b>29.0</b>	2223.836	2223.836	2221.632	2217.224	2212.816	2208.408	2204.000	2201.796	2201.796
<b>33.0</b>	2051.924	2051.924	2049.720	2043.108	2036.496	2027.680	2023.272	2018.864	2016.660
<b>37.5</b>	1818.300	1820.504	1818.300	1809.484	1798.464	1787.444	1778.628	1774.220	1769.812
<b>42.5</b>	1516.352	1522.964	1520.760	1511.944	1498.720	1487.700	1476.680	1467.864	1465.660
<b>47.5</b>	1192.364	1205.588	1205.588	1198.976	1187.956	1174.732	1165.916	1157.100	1154.896
<b>55.0</b>	742.748	762.584	771.400	773.604	769.196	762.584	755.972	751.564	751.564
<b>65.0</b>	343.824	359.252	372.476	379.088	383.496	385.700	385.700	383.496	383.496
<b>75.0</b>	136.648	143.260	149.872	156.484	158.688	160.892	163.096	163.096	163.096
<b>85.0</b>	24.244	24.244	26.448	28.652	28.652	28.652	28.652	28.652	28.652
<b>90.0</b>	17.632	15.428	13.224	8.816	8.816	6.612	4.408	2.204	2.204
<b>95.0</b>	79.344	77.140	74.936	72.732	70.528	68.324	68.324	66.120	63.916
<b>100.0</b>	189.544	189.544	189.544	187.340	187.340	187.340	185.136	185.136	185.136
<b>105.0</b>	330.600	335.008	337.212	339.416	339.416	341.620	341.620	341.620	341.620
<b>110.0</b>	506.920	513.532	517.940	522.348	526.756	526.756	528.960	528.960	528.960
<b>115.0</b>	716.300	722.912	731.728	738.340	742.748	744.952	747.156	749.360	749.360
<b>120.0</b>	952.128	963.148	971.964	980.780	987.392	991.800	994.004	996.208	996.208
<b>125.0</b>	1212.200	1223.220	1232.036	1240.852	1247.464	1251.872	1256.280	1256.280	1258.484
<b>130.0</b>	1478.884	1487.700	1496.516	1503.128	1509.740	1514.148	1516.352	1518.556	1518.556
<b>135.0</b>	1734.548	1741.160	1747.772	1752.180	1758.792	1760.996	1763.200	1765.404	1765.404
<b>140.0</b>	1965.968	1968.172	1972.580	1976.988	1981.396	1983.600	1985.804	1985.804	1988.008
<b>145.0</b>	2164.328	2166.532	2170.940	2173.144	2175.348	2175.348	2177.552	2179.756	2179.756
<b>150.0</b>	2331.832	2334.036	2336.240	2336.240	2338.444	2338.444	2340.648	2340.648	2340.648
<b>155.0</b>	2468.480	2470.684	2470.684	2470.684	2472.888	2472.888	2475.092	2475.092	2475.092
<b>160.0</b>	2578.680	2578.680	2578.680	2578.680	2578.680	2580.884	2580.884	2580.884	2580.884
<b>165.0</b>	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228	2662.432	2662.432
<b>170.0</b>	2717.532	2717.532	2717.532	2717.532	2717.532	2717.532	2717.532	2719.736	2719.736
<b>175.0</b>	2752.796	2752.796	2752.796	2752.796	2752.796	2752.796	2752.796	2752.796	2752.796
<b>180.0</b>	2763.816	2763.816	2763.816	2763.816	2763.816	2763.816	2763.816	2763.816	2763.816

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	937.63	N.A.	7.60
0-30	1942.79	N.A.	15.70
0-40	2949.81	N.A.	23.80
0-60	4542.66	N.A.	36.70
0-80	5223.07	N.A.	42.20
0-90	5315.31	N.A.	43.00
10-90	5108.23	N.A.	41.30
20-40	2012.18	N.A.	16.30
20-50	3050.29	N.A.	24.70
40-70	2049.41	N.A.	16.60
60-80	680.41	N.A.	5.50
70-80	223.84	N.A.	1.80
80-90	92.24	N.A.	0.70
90-110	454.73	N.A.	3.70
90-120	1160.66	N.A.	9.40
90-130	2233.99	N.A.	18.10
90-150	4906.7	N.A.	39.70
90-180	7054.96	N.A.	57.00
110-180	6600.23	N.A.	53.40
0-180	12370.27	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	207.08
10-20	730.55
20-30	1005.16
30-40	1007.02
40-50	1038.11
50-60	554.74
60-70	456.57
70-80	223.84
80-90	92.24
90-100	100.02
100-110	354.71
110-120	705.93
120-130	1073.34
130-140	1324.67
140-150	1348.04
150-160	1136.13
160-170	750.52
170-180	261.61

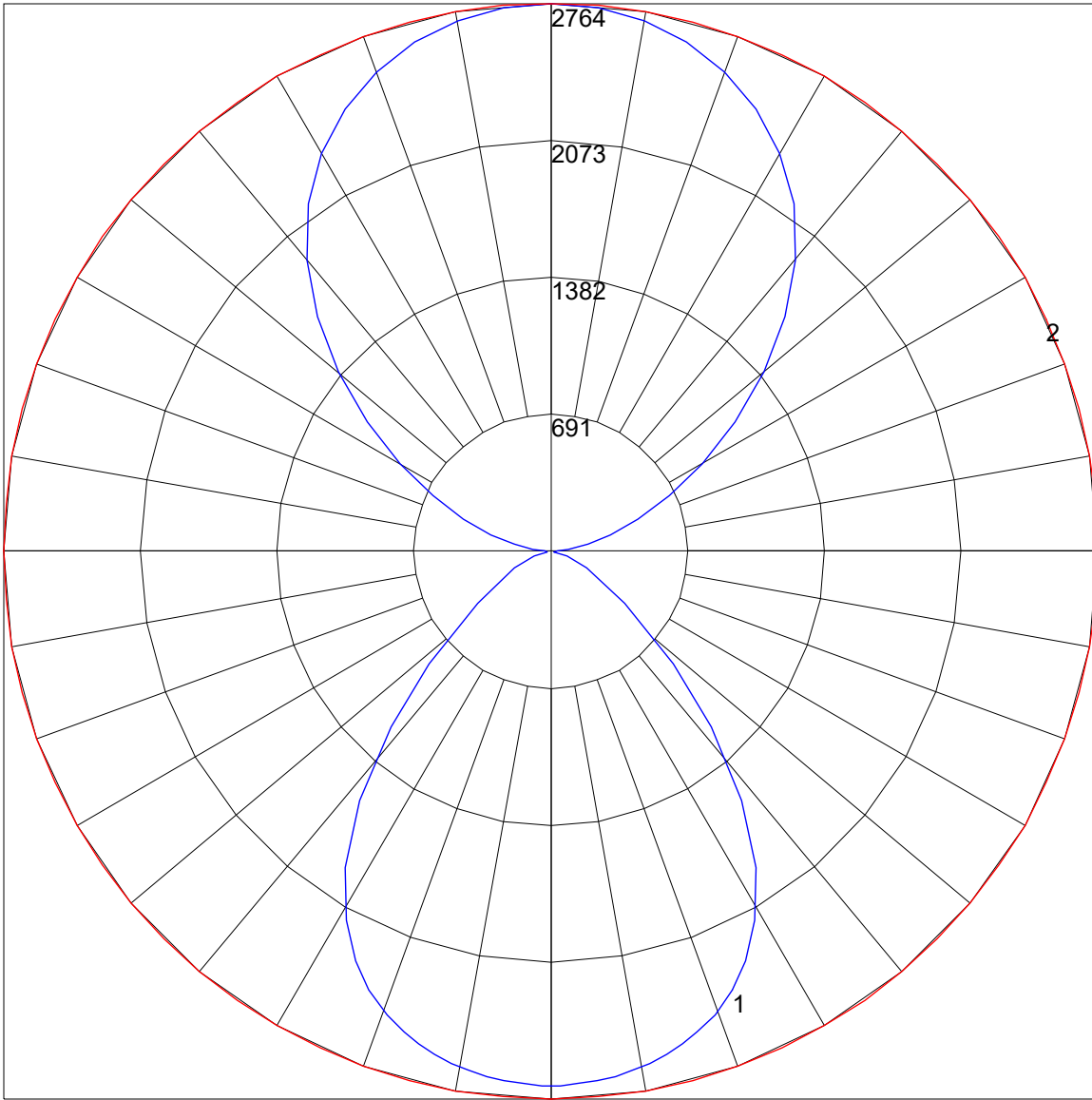
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	45	44	43	37
2	88	81	76	71	81	75	70	66	62	59	56	51	48	46	40	38	37	32
3	81	72	65	60	74	66	60	55	55	51	47	45	42	40	36	34	32	28
4	74	64	57	51	68	59	52	47	49	45	41	41	37	34	32	30	28	24
5	68	57	50	44	62	53	46	41	45	39	36	37	33	30	29	27	25	21
6	63	52	44	38	58	48	41	36	40	35	31	33	30	27	27	24	22	19
7	59	47	39	34	53	43	36	32	37	31	28	30	27	24	25	22	20	17
8	54	43	35	30	50	39	33	28	34	28	25	28	24	21	23	20	18	16
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	20	17	15	13

POLAR GRAPH



Maximum Candela = 2763.816 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.)