

**IES Report**

**ZipThree® | Ceiling Cable | 707 | Symmetric, up | Soft Diffuse, down | 80 CRI | HO**

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U1D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	106	109	111	113
Total Lumens, 4' rail length (1219mm)	11267	11623	11860	12098
Lumens per foot (305mm)	2817	2906	2965	3024
Lumens per foot UP (305mm)	6217	6413	6544	6675
Lumens per foot DOWN (305mm)	5051	5210	5316	5423
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-U1D2-BL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L081800703 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB  
[ISSUEDATE] 8/15/2018  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z3-CC-Z-HO-35-U1D2-BL  
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,  
[MORE] symmetric lens up/soft diffuse lens down, high output, black anodized finish  
[TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11860
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	107.2
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)	4.00 ft
Luminous Height	0.02 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17287	17548	18410
55	16169	16478	17643
65	14648	15003	16480
75	12271	12641	14384
85	7529	8060	11061

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</b>	1853.564	1853.564	1853.564	1853.564	1853.564	1853.564	1853.564	1853.564	1853.564	1853.564
<b>5</b>	1844.748	1846.952	1844.748	1846.952	1844.748	1844.748	1846.952	1846.952	1844.748	1844.748
<b>10</b>	1820.504	1820.504	1820.504	1820.504	1820.504	1820.504	1820.504	1820.504	1820.504	1820.504
<b>15</b>	1778.628	1778.628	1778.628	1778.628	1778.628	1778.628	1778.628	1778.628	1778.628	1776.424
<b>20</b>	1721.324	1721.324	1721.324	1721.324	1721.324	1719.120	1719.120	1719.120	1719.120	1719.120
<b>25</b>	1646.388	1646.388	1646.388	1646.388	1646.388	1646.388	1646.388	1646.388	1644.184	1644.184
<b>30</b>	1560.432	1560.432	1560.432	1560.432	1560.432	1558.228	1558.228	1558.228	1556.024	1556.024
<b>35</b>	1461.252	1461.252	1461.252	1461.252	1459.048	1459.048	1459.048	1459.048	1456.844	1456.844
<b>40</b>	1348.848	1348.848	1348.848	1348.848	1348.848	1348.848	1346.644	1346.644	1344.440	1344.440
<b>45</b>	1227.628	1227.628	1227.628	1227.628	1227.628	1225.424	1225.424	1223.220	1223.220	1223.220
<b>50</b>	1097.592	1097.592	1097.592	1097.592	1097.592	1095.388	1095.388	1095.388	1093.184	1093.184
<b>55</b>	960.944	960.944	960.944	960.944	960.944	958.740	958.740	956.536	956.536	954.332
<b>60</b>	819.888	819.888	819.888	817.684	817.684	817.684	815.480	815.480	813.276	811.072
<b>65</b>	674.424	674.424	674.424	674.424	672.220	672.220	670.016	670.016	667.812	665.608
<b>70</b>	528.960	528.960	528.960	526.756	526.756	524.552	524.552	522.348	520.144	517.940
<b>75</b>	383.496	383.496	383.496	383.496	381.292	379.088	379.088	376.884	374.680	372.476
<b>80</b>	244.644	244.644	244.644	244.644	242.440	242.440	240.236	238.032	235.828	233.624
<b>85</b>	116.812	116.812	116.812	114.608	114.608	114.608	112.404	112.404	110.200	110.200
<b>90</b>	4.408	4.408	4.408	4.408	4.408	4.408	4.408	4.408	4.408	4.408
<b>95</b>	55.100	55.100	55.100	55.100	55.100	57.304	57.304	57.304	59.508	59.508
<b>100</b>	143.260	143.260	143.260	145.464	145.464	147.668	149.872	154.280	156.484	158.688
<b>105</b>	255.664	255.664	257.868	260.072	262.276	266.684	271.092	275.500	282.112	288.724
<b>110</b>	398.924	398.924	401.128	405.536	409.944	416.556	423.168	429.780	438.596	447.412
<b>115</b>	575.244	575.244	577.448	581.856	588.468	597.284	606.100	614.916	625.936	636.956
<b>120</b>	780.216	782.420	784.624	791.236	797.848	806.664	817.684	828.704	841.928	855.152
<b>125</b>	1016.044	1016.044	1020.452	1024.860	1033.676	1042.492	1055.716	1066.736	1082.164	1097.592
<b>130</b>	1267.300	1269.504	1271.708	1278.320	1287.136	1295.952	1306.972	1320.196	1335.624	1348.848
<b>135</b>	1525.168	1527.372	1529.576	1536.188	1542.800	1551.616	1562.636	1573.656	1584.676	1597.900
<b>140</b>	1774.220	1774.220	1776.424	1780.832	1787.444	1794.056	1800.668	1809.484	1818.300	1827.116
<b>145</b>	1992.416	1992.416	1994.620	1996.824	2001.232	2005.640	2012.252	2016.660	2023.272	2027.680
<b>150</b>	2177.552	2177.552	2177.552	2179.756	2181.960	2184.164	2188.572	2190.776	2195.184	2197.388
<b>155</b>	2323.016	2323.016	2325.220	2325.220	2327.424	2329.628	2329.628	2331.832	2334.036	2336.240
<b>160</b>	2439.828	2439.828	2439.828	2439.828	2442.032	2442.032	2444.236	2444.236	2446.440	2448.644
<b>165</b>	2527.988	2527.988	2527.988	2527.988	2527.988	2530.192	2530.192	2532.396	2534.600	2534.600
<b>170</b>	2591.904	2591.904	2594.108	2594.108	2594.108	2594.108	2594.108	2596.312	2596.312	2598.516
<b>175</b>	2633.780	2633.780	2633.780	2633.780	2633.780	2633.780	2633.780	2633.780	2635.984	2635.984
<b>180</b>	2647.004	2647.004	2647.004	2647.004	2647.004	2647.004	2647.004	2647.004	2647.004	2647.004

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>
<b>0</b>	1853.564	1853.564	1853.564	1853.564	1853.564	1853.564	1853.564	1853.564	1853.564
<b>5</b>	1844.748	1844.748	1844.748	1844.748	1846.952	1844.748	1844.748	1844.748	1844.748
<b>10</b>	1820.504	1820.504	1820.504	1820.504	1820.504	1820.504	1820.504	1820.504	1820.504
<b>15</b>	1776.424	1776.424	1776.424	1776.424	1776.424	1776.424	1776.424	1776.424	1776.424
<b>20</b>	1719.120	1719.120	1716.916	1716.916	1716.916	1716.916	1716.916	1716.916	1716.916
<b>25</b>	1644.184	1644.184	1641.980	1641.980	1641.980	1641.980	1641.980	1641.980	1641.980
<b>30</b>	1556.024	1553.820	1553.820	1553.820	1553.820	1553.820	1551.616	1551.616	1551.616
<b>35</b>	1454.640	1454.640	1454.640	1452.436	1452.436	1452.436	1452.436	1452.436	1452.436
<b>40</b>	1344.440	1342.236	1342.236	1340.032	1340.032	1340.032	1340.032	1340.032	1337.828
<b>45</b>	1221.016	1221.016	1218.812	1218.812	1216.608	1216.608	1216.608	1216.608	1216.608
<b>50</b>	1090.980	1090.980	1088.776	1088.776	1086.572	1086.572	1086.572	1086.572	1086.572
<b>55</b>	954.332	952.128	952.128	949.924	949.924	947.720	947.720	947.720	947.720
<b>60</b>	811.072	808.868	806.664	806.664	804.460	804.460	804.460	804.460	802.256

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	663.404	661.200	661.200	658.996	656.792	656.792	654.588	654.588	654.588
<b>70</b>	515.736	513.532	511.328	509.124	506.920	504.716	504.716	502.512	502.512
<b>75</b>	370.272	368.068	365.864	361.456	359.252	357.048	354.844	354.844	352.640
<b>80</b>	231.420	229.216	227.012	222.604	220.400	218.196	215.992	213.788	213.788
<b>85</b>	107.996	105.792	103.588	101.384	99.180	96.976	96.976	94.772	94.772
<b>90</b>	4.408	4.408	4.408	4.408	4.408	4.408	4.408	4.408	4.408
<b>95</b>	61.712	61.712	61.712	63.916	63.916	63.916	63.916	63.916	63.916
<b>100</b>	163.096	165.300	169.708	171.912	174.116	174.116	176.320	176.320	176.320
<b>105</b>	293.132	299.744	306.356	310.764	315.172	317.376	319.580	319.580	319.580
<b>110</b>	456.228	465.044	473.860	480.472	487.084	491.492	493.696	495.900	495.900
<b>115</b>	650.180	661.200	670.016	681.036	687.648	692.056	696.464	698.668	698.668
<b>120</b>	868.376	881.600	894.824	903.640	912.456	919.068	923.476	925.680	927.884
<b>125</b>	1110.816	1124.040	1137.264	1148.284	1154.896	1161.508	1168.120	1172.528	1172.528
<b>130</b>	1362.072	1375.296	1386.316	1395.132	1403.948	1410.560	1414.968	1419.376	1421.580
<b>135</b>	1608.920	1617.736	1626.552	1635.368	1641.980	1648.592	1653.000	1657.408	1659.612
<b>140</b>	1835.932	1842.544	1849.156	1855.768	1860.176	1866.788	1871.196	1875.604	1877.808
<b>145</b>	2032.088	2038.700	2043.108	2047.516	2051.924	2058.536	2062.944	2065.148	2067.352
<b>150</b>	2201.796	2204.000	2208.408	2212.816	2217.224	2221.632	2223.836	2228.244	2228.244
<b>155</b>	2338.444	2342.852	2345.056	2349.464	2351.668	2356.076	2358.280	2360.484	2360.484
<b>160</b>	2450.848	2453.052	2455.256	2457.460	2459.664	2464.072	2466.276	2466.276	2468.480
<b>165</b>	2536.804	2539.008	2541.212	2541.212	2543.416	2545.620	2547.824	2547.824	2547.824
<b>170</b>	2598.516	2600.720	2600.720	2602.924	2602.924	2602.924	2605.128	2605.128	2605.128
<b>175</b>	2635.984	2635.984	2635.984	2635.984	2635.984	2635.984	2638.188	2638.188	2638.188
<b>180</b>	2647.004	2647.004	2647.004	2647.004	2647.004	2647.004	2647.004	2647.004	2647.004

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	676.94	N.A.	5.70
0-30	1434.71	N.A.	12.10
0-40	2345.66	N.A.	19.80
0-60	4141.92	N.A.	34.90
0-80	5193.56	N.A.	43.80
0-90	5316.43	N.A.	44.80
10-90	5141.08	N.A.	43.30
20-40	1668.72	N.A.	14.10
20-50	2611.61	N.A.	22.00
40-70	2454.61	N.A.	20.70
60-80	1051.65	N.A.	8.90
70-80	393.29	N.A.	3.30
80-90	122.87	N.A.	1.00
90-110	389.52	N.A.	3.30
90-120	1027.26	N.A.	8.70
90-130	2008.76	N.A.	16.90
90-150	4501.16	N.A.	38.00
90-180	6543.93	N.A.	55.20
110-180	6154.41	N.A.	51.90
0-180	11860.36	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	175.36
10-20	501.58
20-30	757.77
30-40	910.95
40-50	942.89
50-60	853.37
60-70	658.35
70-80	393.29
80-90	122.87
90-100	77.21
100-110	312.31
110-120	637.75
120-130	981.50
130-140	1227.05
140-150	1265.35
150-160	1076.79
160-170	715.60
170-180	250.38

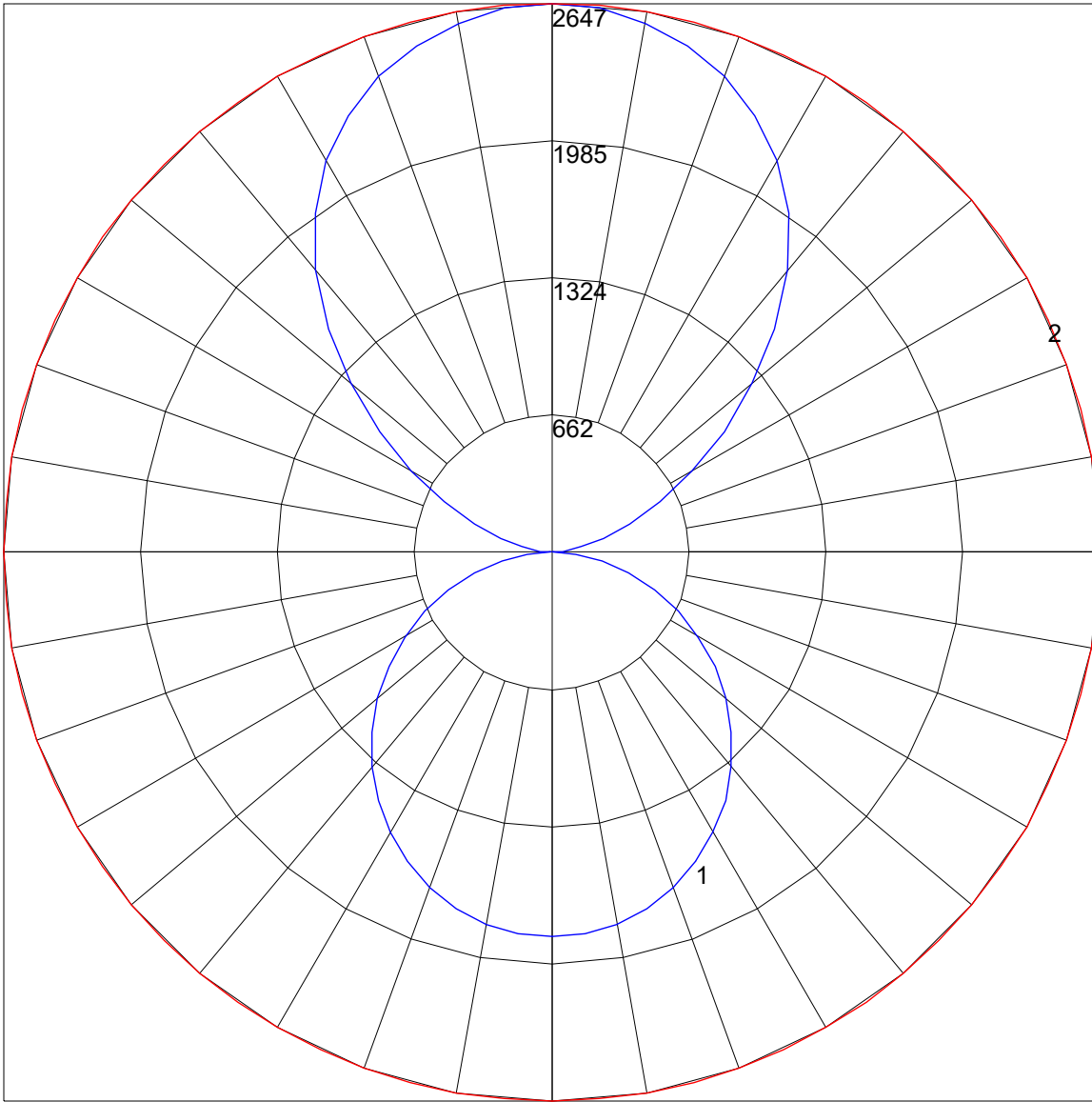
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	96	92	88	84	88	84	81	78	70	68	66	57	55	54	45	44	43	37
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	39	37	36	31
3	80	70	63	57	73	65	58	53	54	49	45	44	40	38	35	32	30	26
4	73	62	54	48	66	57	50	45	48	42	38	39	35	32	31	28	26	22
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	22	19
6	61	49	41	35	56	46	38	33	38	33	29	31	27	24	25	22	20	17
7	57	44	36	31	52	41	34	29	35	29	25	29	24	21	23	20	17	15
8	53	40	33	27	48	37	30	26	31	26	22	26	22	19	21	18	16	13
9	49	37	29	24	45	34	27	23	29	23	20	24	20	17	19	16	14	12
10	46	34	26	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11

POLAR GRAPH



Maximum Candela = 2647.004 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.)