

**IES Report**

**ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 60° Symmetric, down | 80 CRI | HO**

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U2S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	87	90	92	93
Total Lumens, 4' rail length (1219mm)	9275	9567	9763	9958
Lumens per foot (305mm)	2319	2392	2441	2489
Lumens per foot UP (305mm)	1608	1659	1693	1640
Lumens per foot DOWN (305mm)	711	733	748	725
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\_U2S2\_BL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805810 (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-U2S2-BL

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

[MORE] symmetric lens with edgeglow up/60° symmetric 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	9763
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
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	3587	7070	13072
55	1640	3480	7092
65	866	1797	3792
75	496	977	2168
85	286	486	1034

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>	2417.788	2417.788	2417.788	2417.788	2417.788	2417.788	2417.788	2417.788	2417.788	2417.788
<b>1.0</b>	2415.584	2415.584	2415.584	2415.584	2415.584	2415.584	2415.584	2415.584	2415.584	2415.584
<b>3.0</b>	2402.360	2402.360	2402.360	2402.360	2402.360	2402.360	2404.564	2404.564	2404.564	2406.768
<b>5.0</b>	2373.708	2373.708	2375.912	2375.912	2378.116	2380.320	2382.524	2384.728	2386.932	2389.136
<b>7.0</b>	2331.832	2331.832	2334.036	2336.240	2338.444	2342.852	2345.056	2349.464	2356.076	2360.484
<b>9.0</b>	2274.528	2276.732	2278.936	2281.140	2285.548	2292.160	2298.772	2307.588	2314.200	2323.016
<b>11.0</b>	2201.796	2201.796	2206.204	2210.612	2219.428	2228.244	2239.264	2250.284	2263.508	2274.528
<b>13.0</b>	2111.432	2113.636	2118.044	2126.860	2137.880	2151.104	2164.328	2181.960	2199.592	2217.224
<b>15.0</b>	2007.844	2010.048	2016.660	2027.680	2040.904	2058.536	2078.372	2102.616	2124.656	2148.900
<b>17.0</b>	1886.624	1888.828	1897.644	1910.868	1930.704	1952.744	1979.192	2007.844	2038.700	2067.352
<b>19.5</b>	1719.120	1723.528	1734.548	1752.180	1774.220	1805.076	1838.136	1875.604	1915.276	1954.948
<b>22.5</b>	1496.516	1503.128	1516.352	1538.392	1567.044	1604.512	1646.388	1694.876	1745.568	1794.056
<b>25.5</b>	1267.300	1271.708	1287.136	1311.380	1346.644	1388.520	1439.212	1494.312	1556.024	1619.940
<b>29.0</b>	1005.024	1009.432	1027.064	1053.512	1088.776	1135.060	1190.160	1254.076	1324.604	1397.336
<b>33.0</b>	738.340	742.748	758.176	784.624	819.888	863.968	919.068	985.188	1057.920	1135.060
<b>37.5</b>	500.308	504.716	515.736	537.776	568.632	608.304	654.588	714.096	782.420	855.152
<b>42.5</b>	312.968	315.172	326.192	341.620	363.660	392.312	429.780	476.064	531.164	590.672
<b>47.5</b>	193.952	196.156	202.768	213.788	229.216	249.052	275.500	306.356	346.028	390.108
<b>55.0</b>	96.976	96.976	101.384	105.792	114.608	125.628	138.852	156.484	176.320	200.564
<b>65.0</b>	39.672	39.672	41.876	44.080	46.284	50.692	55.100	63.916	70.528	79.344
<b>75.0</b>	15.428	15.428	15.428	17.632	17.632	19.836	22.040	24.244	26.448	28.652
<b>85.0</b>	4.408	4.408	4.408	4.408	4.408	4.408	4.408	4.408	6.612	6.612
<b>90.0</b>	28.652	28.652	26.448	26.448	26.448	24.244	22.040	19.836	17.632	15.428
<b>95.0</b>	85.956	85.956	83.752	83.752	83.752	81.548	81.548	79.344	77.140	77.140
<b>100.0</b>	174.116	176.320	176.320	176.320	176.320	176.320	176.320	178.524	178.524	180.728
<b>105.0</b>	290.928	290.928	293.132	293.132	295.336	297.540	301.948	306.356	308.560	312.968
<b>110.0</b>	438.596	438.596	440.800	443.004	447.412	451.820	458.432	465.044	471.656	478.268
<b>115.0</b>	621.528	621.528	623.732	628.140	632.548	639.160	645.772	656.792	665.608	676.628
<b>120.0</b>	835.316	837.520	839.724	844.132	850.744	859.560	868.376	879.396	890.416	903.640
<b>125.0</b>	1079.960	1079.960	1084.368	1088.776	1095.388	1106.408	1115.224	1128.448	1139.468	1152.692
<b>130.0</b>	1340.032	1342.236	1344.440	1351.052	1357.664	1366.480	1377.500	1388.520	1399.540	1410.560
<b>135.0</b>	1602.308	1604.512	1606.716	1611.124	1617.736	1626.552	1633.164	1641.980	1650.796	1659.612
<b>140.0</b>	1846.952	1846.952	1849.156	1853.564	1857.972	1862.380	1866.788	1873.400	1877.808	1884.420
<b>145.0</b>	2056.332	2056.332	2058.536	2060.740	2062.944	2065.148	2067.352	2069.556	2073.964	2076.168
<b>150.0</b>	2228.244	2228.244	2228.244	2228.244	2230.448	2230.448	2232.652	2234.856	2234.856	2237.060
<b>155.0</b>	2362.688	2362.688	2362.688	2362.688	2364.892	2364.892	2364.892	2367.096	2369.300	2369.300
<b>160.0</b>	2470.684	2470.684	2470.684	2470.684	2472.888	2472.888	2472.888	2475.092	2475.092	2477.296
<b>165.0</b>	2554.436	2554.436	2554.436	2554.436	2554.436	2554.436	2556.640	2556.640	2556.640	2556.640
<b>170.0</b>	2611.740	2611.740	2611.740	2611.740	2611.740	2611.740	2611.740	2611.740	2611.740	2611.740
<b>175.0</b>	2642.596	2642.596	2642.596	2644.800	2642.596	2644.800	2644.800	2644.800	2644.800	2644.800
<b>180.0</b>	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820

Vert. Horizontal Angles

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>	2417.788	2417.788	2417.788	2417.788	2417.788	2417.788	2417.788	2417.788	2417.788
<b>1.0</b>	2415.584	2415.584	2415.584	2415.584	2415.584	2417.788	2415.584	2415.584	2417.788
<b>3.0</b>	2406.768	2408.972	2408.972	2411.176	2411.176	2411.176	2411.176	2411.176	2411.176
<b>5.0</b>	2391.340	2393.544	2395.748	2397.952	2397.952	2400.156	2402.360	2402.360	2402.360
<b>7.0</b>	2364.892	2369.300	2373.708	2378.116	2382.524	2384.728	2386.932	2389.136	2389.136
<b>9.0</b>	2331.832	2338.444	2347.260	2353.872	2358.280	2362.688	2367.096	2369.300	2369.300
<b>11.0</b>	2287.752	2298.772	2309.792	2320.812	2327.424	2336.240	2340.648	2342.852	2345.056
<b>13.0</b>	2234.856	2250.284	2265.712	2281.140	2292.160	2300.976	2307.588	2311.996	2314.200
<b>15.0</b>	2173.144	2195.184	2215.020	2232.652	2248.080	2261.304	2270.120	2274.528	2276.732

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**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	2098.208	2126.860	2153.308	2177.552	2197.388	2212.816	2223.836	2230.448	2232.652
<b>19.5</b>	1994.620	2032.088	2065.148	2098.208	2122.452	2142.288	2157.716	2166.532	2166.532
<b>22.5</b>	1846.952	1897.644	1941.724	1981.396	2014.456	2040.904	2058.536	2069.556	2073.964
<b>25.5</b>	1681.652	1743.364	1798.464	1849.156	1888.828	1921.888	1943.928	1957.152	1961.560
<b>29.0</b>	1472.272	1542.800	1608.920	1668.428	1716.916	1756.588	1785.240	1800.668	1807.280
<b>33.0</b>	1216.608	1295.952	1370.888	1439.212	1496.516	1540.596	1571.452	1589.084	1595.696
<b>37.5</b>	934.496	1013.840	1090.980	1161.508	1221.016	1267.300	1300.360	1317.992	1324.604
<b>42.5</b>	656.792	727.320	793.440	857.356	912.456	954.332	985.188	1002.820	1007.228
<b>47.5</b>	438.596	491.492	544.388	592.876	634.752	670.016	692.056	705.280	711.892
<b>55.0</b>	227.012	255.664	282.112	310.764	335.008	352.640	368.068	376.884	379.088
<b>65.0</b>	90.364	101.384	112.404	121.220	130.036	138.852	143.260	147.668	149.872
<b>75.0</b>	33.060	35.264	39.672	44.080	46.284	48.488	50.692	52.896	52.896
<b>85.0</b>	6.612	6.612	6.612	8.816	8.816	8.816	8.816	8.816	8.816
<b>90.0</b>	13.224	13.224	11.020	8.816	6.612	6.612	4.408	4.408	2.204
<b>95.0</b>	74.936	72.732	72.732	70.528	68.324	68.324	66.120	66.120	63.916
<b>100.0</b>	180.728	180.728	182.932	182.932	182.932	182.932	182.932	180.728	180.728
<b>105.0</b>	317.376	321.784	323.988	326.192	328.396	330.600	330.600	330.600	330.600
<b>110.0</b>	484.880	491.492	498.104	504.716	509.124	511.328	511.328	511.328	511.328
<b>115.0</b>	687.648	696.464	705.280	711.892	716.300	720.708	720.708	722.912	722.912
<b>120.0</b>	914.660	927.884	936.700	945.516	952.128	956.536	958.740	960.944	960.944
<b>125.0</b>	1165.916	1176.936	1185.752	1194.568	1201.180	1207.792	1209.996	1212.200	1212.200
<b>130.0</b>	1421.580	1432.600	1439.212	1445.824	1452.436	1456.844	1459.048	1461.252	1463.456
<b>135.0</b>	1668.428	1675.040	1679.448	1686.060	1690.468	1692.672	1697.080	1697.080	1699.284
<b>140.0</b>	1888.828	1893.236	1897.644	1902.052	1904.256	1906.460	1908.664	1910.868	1910.868
<b>145.0</b>	2078.372	2082.780	2084.984	2089.392	2091.596	2091.596	2093.800	2093.800	2096.004
<b>150.0</b>	2239.264	2241.468	2245.876	2245.876	2248.080	2248.080	2250.284	2250.284	2250.284
<b>155.0</b>	2371.504	2373.708	2373.708	2375.912	2375.912	2375.912	2378.116	2378.116	2378.116
<b>160.0</b>	2477.296	2477.296	2477.296	2479.500	2479.500	2479.500	2479.500	2479.500	2479.500
<b>165.0</b>	2556.640	2556.640	2556.640	2556.640	2556.640	2556.640	2556.640	2556.640	2556.640
<b>170.0</b>	2611.740	2611.740	2611.740	2611.740	2611.740	2611.740	2611.740	2611.740	2611.740
<b>175.0</b>	2644.800	2644.800	2644.800	2644.800	2644.800	2644.800	2644.800	2644.800	2644.800
<b>180.0</b>	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	788.43	N.A.	8.10
0-30	1502.28	N.A.	15.40
0-40	2081.25	N.A.	21.30
0-60	2758.65	N.A.	28.30
0-80	2965.74	N.A.	30.40
0-90	2992.47	N.A.	30.70
10-90	2809.12	N.A.	28.80
20-40	1292.81	N.A.	13.20
20-50	1763.79	N.A.	18.10
40-70	823.21	N.A.	8.40
60-80	207.09	N.A.	2.10
70-80	61.28	N.A.	0.60
80-90	26.74	N.A.	0.30
90-110	432.61	N.A.	4.40
90-120	1107.45	N.A.	11.30
90-130	2137.16	N.A.	21.90
90-150	4706.13	N.A.	48.20
90-180	6770.2	N.A.	69.30
110-180	6337.59	N.A.	64.90
0-180	9762.68	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	183.35
10-20	605.08
20-30	713.85
30-40	578.96
40-50	470.97
50-60	206.43
60-70	145.81
70-80	61.28
80-90	26.74
90-100	94.67
100-110	337.94
110-120	674.84
120-130	1029.72
130-140	1273.28
140-150	1295.68
150-160	1091.46
160-170	721.23
170-180	251.39

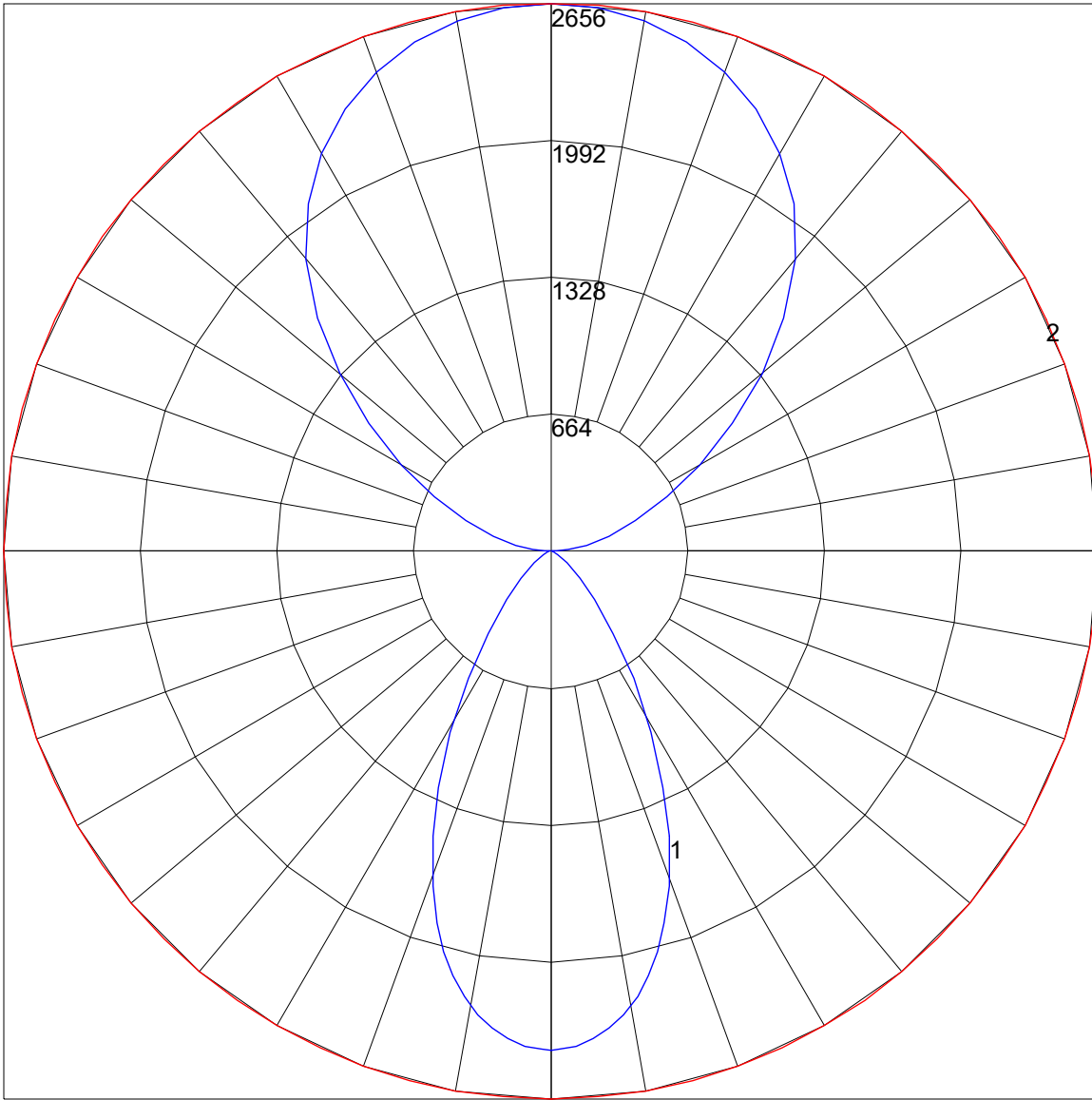
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	38	38	38	31
1	94	90	87	84	85	81	79	76	65	63	61	49	48	47	35	34	34	27
2	87	80	74	70	78	72	68	64	58	55	52	44	42	41	32	31	30	24
3	80	71	65	59	71	64	59	54	52	48	45	40	38	36	29	28	27	22
4	73	63	56	51	66	58	52	47	47	42	39	36	34	31	27	25	24	20
5	68	57	50	44	61	52	46	41	42	38	34	33	30	28	25	23	21	18
6	62	52	44	39	56	47	41	36	38	34	30	30	27	25	23	21	19	16
7	58	47	39	34	52	43	36	32	35	30	27	28	25	22	21	19	18	15
8	54	43	36	31	49	39	33	29	32	28	24	26	23	20	20	18	16	14
9	50	39	32	28	45	36	30	26	30	25	22	24	21	18	18	16	15	13
10	47	36	29	25	43	33	27	23	27	23	20	22	19	17	17	15	14	12

POLAR GRAPH



Maximum Candela = 2655.82 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.)