

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U2S1-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	80	83	85	86
Total Lumens, 4' rail length (1219mm)	8556	8827	9007	9187
Lumens per foot (305mm)	2139	2207	2252	2297
Lumens per foot UP (305mm)	1583	1633	1667	1615
Lumens per foot DOWN (305mm)	556	573	585	567
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_U2S1_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805808R01 (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-U2S1-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens with edgeglow up/40° 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	9007
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
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	1918	4767	10994
55	745	1874	5402
65	385	899	2565
75	283	526	1445
85	143	324	775

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	2102.616	2102.616	2102.616	2102.616	2102.616	2102.616	2102.616	2102.616	2102.616	2102.616
1.0	2098.208	2098.208	2098.208	2098.208	2098.208	2098.208	2098.208	2098.208	2098.208	2098.208
3.0	2073.964	2076.168	2076.168	2076.168	2076.168	2076.168	2078.372	2080.576	2082.780	2084.984
5.0	2029.884	2029.884	2032.088	2034.292	2036.496	2040.904	2045.312	2049.720	2054.128	2058.536
7.0	1968.172	1968.172	1970.376	1974.784	1979.192	1985.804	1994.620	2001.232	2010.048	2018.864
9.0	1888.828	1888.828	1893.236	1899.848	1906.460	1917.480	1928.500	1941.724	1954.948	1970.376
11.0	1800.668	1800.668	1805.076	1813.892	1824.912	1838.136	1851.360	1871.196	1891.032	1910.868
13.0	1701.488	1703.692	1710.304	1721.324	1732.344	1749.976	1769.812	1789.648	1813.892	1840.340
15.0	1600.104	1602.308	1611.124	1622.144	1637.572	1657.408	1679.448	1705.896	1734.548	1765.404
17.0	1494.312	1496.516	1505.332	1518.556	1536.188	1558.228	1584.676	1615.532	1648.592	1686.060
19.5	1355.460	1359.868	1368.684	1384.112	1403.948	1430.396	1461.252	1496.516	1536.188	1578.064
22.5	1176.936	1181.344	1192.364	1212.200	1236.444	1269.504	1304.768	1346.644	1392.928	1441.416
25.5	987.392	991.800	1005.024	1027.064	1057.920	1095.388	1137.264	1185.752	1240.852	1293.748
29.0	760.380	764.788	780.216	804.460	837.520	881.600	930.088	989.596	1051.308	1115.224
33.0	524.552	528.960	544.388	566.428	599.488	643.568	694.260	755.972	822.092	894.824
37.5	317.376	321.784	332.804	352.640	379.088	414.352	458.432	513.532	579.652	652.384
42.5	174.116	176.320	182.932	193.952	211.584	235.828	266.684	308.560	357.048	414.352
47.5	96.976	96.976	101.384	107.996	116.812	132.240	149.872	176.320	207.176	246.848
55.0	44.080	44.080	46.284	48.488	52.896	59.508	66.120	77.140	90.364	107.996
65.0	17.632	19.836	19.836	19.836	22.040	24.244	26.448	28.652	33.060	39.672
75.0	8.816	8.816	8.816	8.816	8.816	8.816	11.020	11.020	13.224	15.428
85.0	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	4.408
90.0	28.652	28.652	28.652	26.448	26.448	24.244	22.040	19.836	17.632	15.428
95.0	83.752	83.752	83.752	81.548	81.548	79.344	79.344	77.140	77.140	74.936
100.0	171.912	171.912	171.912	171.912	171.912	174.116	174.116	174.116	174.116	176.320
105.0	286.520	286.520	286.520	288.724	290.928	293.132	295.336	299.744	301.948	306.356
110.0	431.984	431.984	434.188	436.392	440.800	445.208	449.616	456.228	462.840	467.248
115.0	610.508	612.712	614.916	617.120	623.732	628.140	636.956	645.772	654.588	663.404
120.0	822.092	824.296	826.500	830.908	837.520	844.132	852.948	863.968	874.988	886.008
125.0	1062.328	1062.328	1066.736	1071.144	1077.756	1086.572	1095.388	1108.612	1119.632	1132.856
130.0	1317.992	1317.992	1320.196	1326.808	1333.420	1342.236	1353.256	1364.276	1375.296	1386.316
135.0	1573.656	1573.656	1578.064	1582.472	1589.084	1595.696	1604.512	1613.328	1624.348	1633.164
140.0	1816.096	1816.096	1818.300	1820.504	1824.912	1831.524	1838.136	1844.748	1849.156	1855.768
145.0	2023.272	2023.272	2025.476	2027.680	2029.884	2034.292	2036.496	2040.904	2045.312	2047.516
150.0	2195.184	2195.184	2197.388	2197.388	2199.592	2201.796	2201.796	2204.000	2206.204	2208.408
155.0	2331.832	2331.832	2331.832	2331.832	2331.832	2334.036	2334.036	2336.240	2338.444	2340.648
160.0	2437.624	2439.828	2439.828	2439.828	2439.828	2442.032	2442.032	2444.236	2444.236	2444.236
165.0	2521.376	2521.376	2521.376	2523.580	2523.580	2523.580	2523.580	2523.580	2523.580	2523.580
170.0	2578.680	2578.680	2578.680	2578.680	2578.680	2578.680	2578.680	2578.680	2578.680	2578.680
175.0	2611.740	2611.740	2611.740	2611.740	2611.740	2611.740	2611.740	2613.944	2613.944	2613.944
180.0	2622.760	2622.760	2622.760	2622.760	2622.760	2622.760	2622.760	2622.760	2622.760	2622.760

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>
0.0	2102.616	2102.616	2102.616	2102.616	2102.616	2102.616	2102.616	2102.616	2102.616
1.0	2098.208	2100.412	2100.412	2100.412	2100.412	2100.412	2100.412	2100.412	2100.412
3.0	2087.188	2089.392	2091.596	2093.800	2093.800	2093.800	2096.004	2096.004	2096.004
5.0	2062.944	2069.556	2073.964	2078.372	2080.576	2084.984	2087.188	2087.188	2087.188
7.0	2029.884	2038.700	2047.516	2056.332	2062.944	2069.556	2073.964	2076.168	2076.168
9.0	1983.600	1999.028	2014.456	2027.680	2038.700	2047.516	2054.128	2058.536	2060.740
11.0	1930.704	1952.744	1972.580	1990.212	2007.844	2021.068	2029.884	2036.496	2040.904
13.0	1866.788	1895.440	1924.092	1948.336	1970.376	1990.212	2005.640	2012.252	2014.456
15.0	1798.464	1831.524	1868.992	1899.848	1926.296	1948.336	1968.172	1981.396	1983.600

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CANDELA TABULATION - (Cont.)

17.0	1723.528	1765.404	1802.872	1840.340	1875.604	1906.460	1928.500	1941.724	1946.132
19.5	1622.144	1668.428	1716.916	1763.200	1805.076	1840.340	1868.992	1886.624	1895.440
22.5	1492.108	1545.004	1600.104	1655.204	1703.692	1749.976	1785.240	1805.076	1816.096
25.5	1353.256	1412.764	1472.272	1533.984	1589.084	1641.980	1683.856	1708.100	1714.712
29.0	1181.344	1247.464	1313.584	1375.296	1437.008	1492.108	1540.596	1571.452	1580.268
33.0	969.760	1044.696	1115.224	1183.548	1245.260	1302.564	1348.848	1381.908	1399.540
37.5	727.320	804.460	879.396	949.924	1009.432	1066.736	1097.592	1141.672	1152.692
42.5	482.676	555.408	621.528	687.648	742.748	789.032	828.704	855.152	859.560
47.5	293.132	348.232	401.128	451.820	495.900	533.368	562.020	579.652	586.264
55.0	130.036	154.280	182.932	211.584	238.032	257.868	275.500	284.316	288.724
65.0	46.284	55.100	63.916	72.732	81.548	90.364	96.976	101.384	101.384
75.0	17.632	19.836	22.040	26.448	28.652	30.856	33.060	35.264	35.264
85.0	4.408	4.408	4.408	4.408	4.408	4.408	4.408	6.612	6.612
90.0	13.224	11.020	11.020	8.816	6.612	4.408	4.408	2.204	2.204
95.0	72.732	70.528	70.528	68.324	66.120	63.916	63.916	61.712	61.712
100.0	176.320	176.320	176.320	176.320	176.320	176.320	176.320	176.320	174.116
105.0	308.560	312.968	315.172	317.376	319.580	321.784	321.784	321.784	321.784
110.0	476.064	480.472	487.084	491.492	495.900	498.104	500.308	500.308	500.308
115.0	672.220	681.036	689.852	696.464	703.076	705.280	709.688	709.688	709.688
120.0	897.028	908.048	919.068	927.884	934.496	938.904	943.312	943.312	945.516
125.0	1143.876	1157.100	1165.916	1174.732	1181.344	1187.956	1190.160	1194.568	1194.568
130.0	1399.540	1408.356	1417.172	1425.988	1432.600	1437.008	1441.416	1443.620	1443.620
135.0	1641.980	1648.592	1655.204	1661.816	1668.428	1672.836	1675.040	1677.244	1677.244
140.0	1862.380	1866.788	1871.196	1877.808	1880.012	1882.216	1884.420	1886.624	1888.828
145.0	2051.924	2054.128	2058.536	2062.944	2065.148	2065.148	2067.352	2069.556	2069.556
150.0	2210.612	2215.020	2217.224	2219.428	2219.428	2221.632	2221.632	2223.836	2223.836
155.0	2342.852	2342.852	2345.056	2345.056	2345.056	2347.260	2347.260	2347.260	2349.464
160.0	2446.440	2446.440	2446.440	2446.440	2446.440	2448.644	2448.644	2448.644	2448.644
165.0	2523.580	2523.580	2523.580	2525.784	2525.784	2525.784	2525.784	2525.784	2525.784
170.0	2578.680	2578.680	2580.884	2580.884	2580.884	2580.884	2580.884	2580.884	2580.884
175.0	2613.944	2613.944	2613.944	2613.944	2613.944	2613.944	2613.944	2613.944	2613.944
180.0	2622.760	2622.760	2622.760	2622.760	2622.760	2622.760	2622.760	2622.760	2622.760

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	660.67	N.A.	7.30
0-30	1244.11	N.A.	13.80
0-40	1706.34	N.A.	18.90
0-60	2198.1	N.A.	24.40
0-80	2322.78	N.A.	25.80
0-90	2339.93	N.A.	26.00
10-90	2182.49	N.A.	24.20
20-40	1045.67	N.A.	11.60
20-50	1397.91	N.A.	15.50
40-70	581.22	N.A.	6.50
60-80	124.68	N.A.	1.40
70-80	35.22	N.A.	0.40
80-90	17.15	N.A.	0.20
90-110	422.51	N.A.	4.70
90-120	1085.00	N.A.	12.00
90-130	2097.54	N.A.	23.30
90-150	4628.75	N.A.	51.40
90-180	6666.73	N.A.	74.00
110-180	6244.22	N.A.	69.30
0-180	9006.66	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

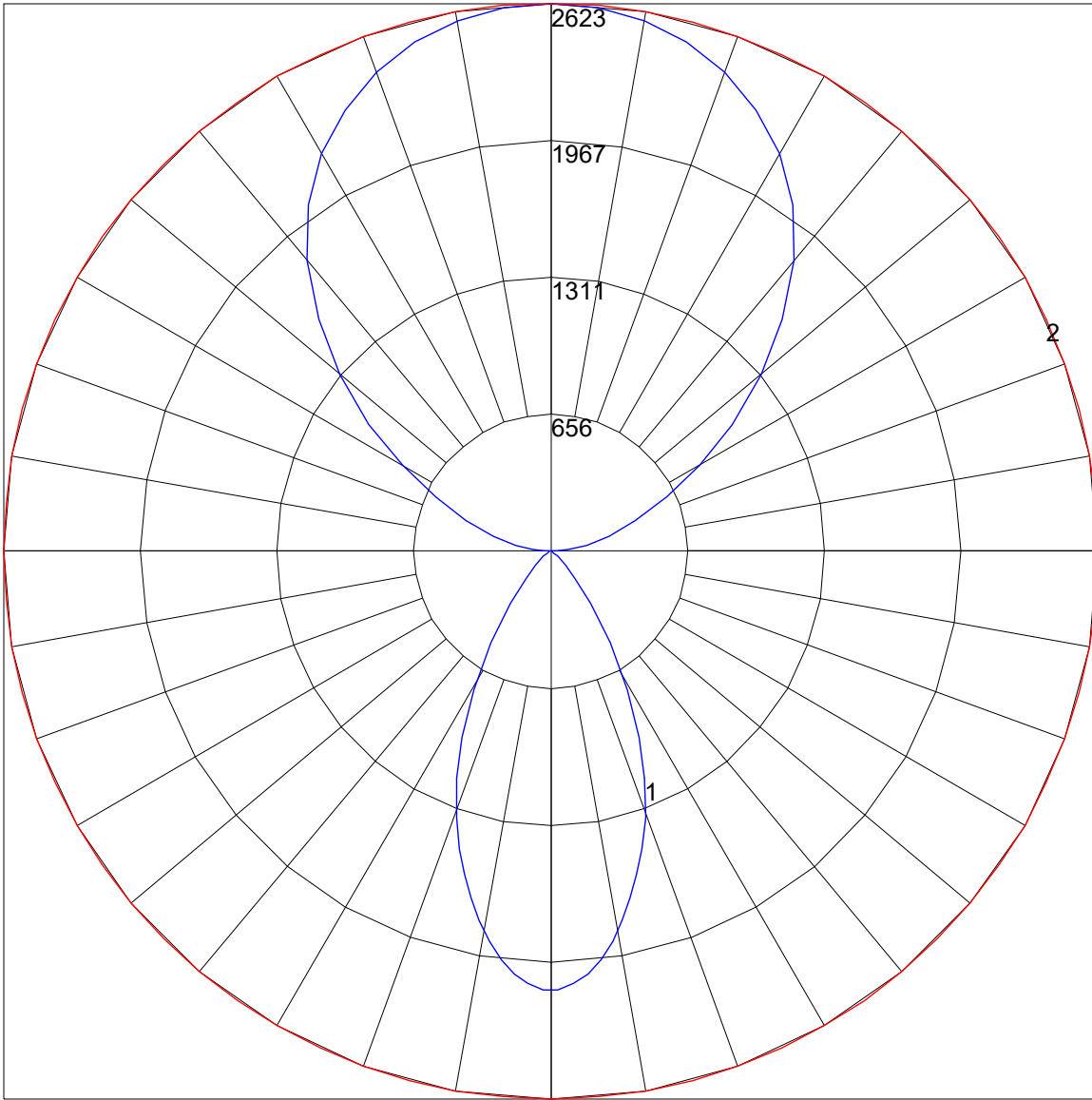
Zone	Lumens
0-10	157.44
10-20	503.23
20-30	583.44
30-40	462.23
40-50	352.24
50-60	139.52
60-70	89.46
70-80	35.22
80-90	17.15
90-100	92.10
100-110	330.41
110-120	662.49
120-130	1012.54
130-140	1253.55
140-150	1277.67
150-160	1077.44
160-170	712.18
170-180	248.35

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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	93	89	86	83	83	80	77	75	62	60	59	46	45	44	31	31	30	23
2	86	79	74	69	76	71	66	63	56	53	50	42	40	38	29	28	27	21
3	79	70	64	58	70	63	58	53	50	46	43	38	35	33	26	25	24	19
4	72	63	56	50	65	57	51	46	45	41	38	34	31	29	24	23	21	17
5	67	56	49	44	60	51	45	40	41	36	33	31	28	26	22	21	19	16
6	62	51	43	38	55	46	40	35	37	32	29	28	26	23	21	19	18	14
7	57	46	39	34	51	42	36	31	34	29	26	26	23	21	19	17	16	13
8	53	42	35	30	48	38	32	28	31	27	23	24	21	19	18	16	15	12
9	50	38	32	27	45	35	29	25	28	24	21	22	19	17	17	15	13	11
10	46	35	29	24	42	32	26	23	26	22	19	21	18	16	15	14	12	10

POLAR GRAPH



Maximum Candela = 2622.76 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.)