

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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	97	100	102	104
Total Lumens, 4' rail length (1219mm)	10381	10709	10927	11146
Lumens per foot (305mm)	2595	2677	2732	2786
Lumens per foot UP (305mm)	1603	1654	1687	1635
Lumens per foot DOWN (305mm)	992	1024	1045	1012
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_U2S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805812 (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-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens with edgeglow up/80° 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	10927
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
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	12087	14856	13592
55	5628	8414	7628
65	2550	4194	4238
75	1205	2105	2530
85	428	810	1292

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	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400
1.0	2422.196	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400
3.0	2419.992	2419.992	2419.992	2419.992	2419.992	2419.992	2419.992	2419.992	2419.992	2419.992
5.0	2411.176	2411.176	2411.176	2411.176	2411.176	2411.176	2411.176	2411.176	2411.176	2411.176
7.0	2397.952	2397.952	2397.952	2397.952	2397.952	2397.952	2397.952	2397.952	2397.952	2397.952
9.0	2380.320	2380.320	2380.320	2380.320	2380.320	2380.320	2380.320	2380.320	2380.320	2378.116
11.0	2358.280	2358.280	2358.280	2358.280	2358.280	2358.280	2358.280	2356.076	2358.280	2356.076
13.0	2329.628	2331.832	2329.628	2329.628	2329.628	2329.628	2329.628	2329.628	2329.628	2329.628
15.0	2298.772	2298.772	2298.772	2298.772	2298.772	2298.772	2298.772	2296.568	2296.568	2296.568
17.0	2261.304	2261.304	2261.304	2261.304	2261.304	2261.304	2261.304	2259.100	2259.100	2259.100
19.5	2204.000	2204.000	2204.000	2204.000	2204.000	2206.204	2206.204	2206.204	2204.000	2201.796
22.5	2118.044	2120.248	2120.248	2122.452	2124.656	2124.656	2124.656	2124.656	2124.656	2122.452
25.5	2014.456	2016.660	2016.660	2021.068	2023.272	2027.680	2029.884	2029.884	2029.884	2027.680
29.0	1864.584	1866.788	1871.196	1875.604	1882.216	1888.828	1893.236	1897.644	1897.644	1895.440
33.0	1655.204	1657.408	1661.816	1672.836	1686.060	1697.080	1708.100	1714.712	1716.916	1716.916
37.5	1368.684	1370.888	1381.908	1397.336	1414.968	1437.008	1454.640	1470.068	1478.884	1478.884
42.5	1018.248	1022.656	1035.880	1055.716	1082.164	1110.816	1137.264	1159.304	1176.936	1183.548
47.5	689.852	694.260	707.484	727.320	753.768	784.624	815.480	844.132	866.172	877.192
55.0	332.804	335.008	343.824	359.252	376.884	401.128	425.372	449.616	471.656	484.880
65.0	116.812	116.812	121.220	125.628	132.240	143.260	154.280	165.300	176.320	185.136
75.0	37.468	39.672	39.672	41.876	44.080	46.284	50.692	52.896	57.304	61.712
85.0	6.612	6.612	6.612	6.612	8.816	8.816	8.816	8.816	8.816	11.020
90.0	28.652	28.652	26.448	26.448	26.448	24.244	22.040	19.836	17.632	15.428
95.0	83.752	83.752	83.752	83.752	81.548	81.548	79.344	79.344	77.140	74.936
100.0	174.116	174.116	176.320	176.320	176.320	176.320	176.320	176.320	176.320	178.524
105.0	290.928	290.928	293.132	293.132	295.336	297.540	299.744	304.152	306.356	310.764
110.0	438.596	438.596	440.800	443.004	447.412	451.820	456.228	462.840	469.452	476.064
115.0	619.324	621.528	623.732	625.936	632.548	636.956	645.772	652.384	663.404	672.220
120.0	833.112	835.316	837.520	841.928	848.540	855.152	863.968	874.988	886.008	899.232
125.0	1075.552	1077.756	1079.960	1086.572	1093.184	1102.000	1110.816	1121.836	1135.060	1146.080
130.0	1335.624	1335.624	1340.032	1344.440	1351.052	1359.868	1370.888	1381.908	1392.928	1403.948
135.0	1595.696	1597.900	1600.104	1604.512	1611.124	1617.736	1626.552	1635.368	1646.388	1655.204
140.0	1842.544	1842.544	1844.748	1846.952	1851.360	1857.972	1862.380	1868.992	1873.400	1880.012
145.0	2051.924	2051.924	2054.128	2056.332	2058.536	2060.740	2062.944	2067.352	2069.556	2073.964
150.0	2223.836	2223.836	2226.040	2226.040	2228.244	2228.244	2230.448	2230.448	2232.652	2234.856
155.0	2360.484	2360.484	2360.484	2360.484	2360.484	2362.688	2362.688	2364.892	2367.096	2367.096
160.0	2468.480	2468.480	2468.480	2468.480	2470.684	2470.684	2470.684	2472.888	2472.888	2475.092
165.0	2552.232	2552.232	2552.232	2552.232	2552.232	2552.232	2554.436	2554.436	2554.436	2554.436
170.0	2609.536	2609.536	2609.536	2609.536	2609.536	2609.536	2609.536	2609.536	2609.536	2609.536
175.0	2640.392	2640.392	2640.392	2640.392	2640.392	2640.392	2640.392	2642.596	2640.392	2640.392
180.0	2651.412	2651.412	2651.412	2651.412	2651.412	2651.412	2651.412	2651.412	2651.412	2651.412

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	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400
1.0	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2424.400	2422.196
3.0	2419.992	2419.992	2419.992	2419.992	2419.992	2419.992	2419.992	2419.992	2419.992
5.0	2411.176	2411.176	2411.176	2411.176	2411.176	2411.176	2411.176	2411.176	2411.176
7.0	2397.952	2397.952	2395.748	2395.748	2395.748	2395.748	2395.748	2395.748	2395.748
9.0	2378.116	2378.116	2378.116	2378.116	2378.116	2378.116	2378.116	2378.116	2378.116
11.0	2356.076	2356.076	2353.872	2353.872	2353.872	2353.872	2353.872	2353.872	2351.668
13.0	2327.424	2327.424	2327.424	2325.220	2325.220	2325.220	2325.220	2323.016	2323.016
15.0	2294.364	2292.160	2292.160	2289.956	2289.956	2287.752	2287.752	2287.752	2287.752

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U2S7_BL.IES

CANDELA TABULATION - (Cont.)

17.0	2254.692	2254.692	2252.488	2250.284	2248.080	2245.876	2243.672	2243.672	2243.672
19.5	2199.592	2197.388	2192.980	2190.776	2188.572	2184.164	2184.164	2181.960	2181.960
22.5	2118.044	2113.636	2109.228	2104.820	2098.208	2096.004	2091.596	2089.392	2089.392
25.5	2023.272	2016.660	2007.844	2001.232	1992.416	1988.008	1981.396	1979.192	1979.192
29.0	1888.828	1880.012	1868.992	1857.972	1846.952	1838.136	1831.524	1827.116	1824.912
33.0	1708.100	1697.080	1681.652	1666.224	1650.796	1635.368	1626.552	1619.940	1617.736
37.5	1472.272	1456.844	1439.212	1417.172	1395.132	1377.500	1364.276	1355.460	1351.052
42.5	1176.936	1161.508	1141.672	1115.224	1090.980	1071.144	1053.512	1042.492	1040.288
47.5	877.192	863.968	844.132	819.888	797.848	775.808	760.380	749.360	747.156
55.0	489.288	484.880	473.860	458.432	443.004	427.576	416.556	409.944	407.740
65.0	189.544	189.544	189.544	185.136	180.728	174.116	169.708	167.504	167.504
75.0	63.916	66.120	66.120	66.120	63.916	63.916	63.916	61.712	61.712
85.0	11.020	11.020	11.020	11.020	11.020	11.020	11.020	11.020	11.020
90.0	13.224	11.020	11.020	8.816	6.612	4.408	4.408	2.204	2.204
95.0	72.732	72.732	70.528	68.324	68.324	66.120	63.916	63.916	61.712
100.0	178.524	178.524	178.524	178.524	178.524	178.524	178.524	178.524	176.320
105.0	312.968	317.376	319.580	323.988	323.988	326.192	326.192	326.192	326.192
110.0	482.676	489.288	493.696	498.104	502.512	504.716	506.920	506.920	506.920
115.0	681.036	689.852	698.668	705.280	711.892	714.096	716.300	718.504	718.504
120.0	910.252	921.272	930.088	938.904	945.516	949.924	952.128	954.332	954.332
125.0	1159.304	1170.324	1181.344	1187.956	1194.568	1201.180	1203.384	1205.588	1207.792
130.0	1417.172	1425.988	1434.804	1441.416	1448.028	1452.436	1454.640	1456.844	1459.048
135.0	1661.816	1670.632	1675.040	1681.652	1686.060	1690.468	1692.672	1692.672	1694.876
140.0	1884.420	1888.828	1893.236	1897.644	1899.848	1902.052	1904.256	1906.460	1906.460
145.0	2076.168	2078.372	2082.780	2084.984	2087.188	2087.188	2089.392	2089.392	2089.392
150.0	2237.060	2239.264	2241.468	2243.672	2243.672	2243.672	2245.876	2245.876	2245.876
155.0	2369.300	2371.504	2371.504	2373.708	2373.708	2373.708	2373.708	2373.708	2373.708
160.0	2475.092	2475.092	2475.092	2475.092	2475.092	2475.092	2477.296	2477.296	2477.296
165.0	2554.436	2554.436	2554.436	2554.436	2554.436	2554.436	2554.436	2554.436	2554.436
170.0	2609.536	2609.536	2609.536	2609.536	2609.536	2609.536	2609.536	2609.536	2609.536
175.0	2640.392	2642.596	2640.392	2640.392	2642.596	2642.596	2642.596	2642.596	2642.596
180.0	2651.412	2651.412	2651.412	2651.412	2651.412	2651.412	2651.412	2651.412	2651.412

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U2S7_BL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	834.02	N.A.	7.60
0-30	1705.00	N.A.	15.60
0-40	2545.71	N.A.	23.30
0-60	3747.05	N.A.	34.30
0-80	4136.19	N.A.	37.90
0-90	4178.23	N.A.	38.20
10-90	3992.41	N.A.	36.50
20-40	1711.69	N.A.	15.70
20-50	2523.12	N.A.	23.10
40-70	1478.77	N.A.	13.50
60-80	389.14	N.A.	3.60
70-80	111.71	N.A.	1.00
80-90	42.04	N.A.	0.40
90-110	428.59	N.A.	3.90
90-120	1099.79	N.A.	10.10
90-130	2124.89	N.A.	19.40
90-150	4687.28	N.A.	42.90
90-180	6749.13	N.A.	61.80
110-180	6320.55	N.A.	57.80
0-180	10927.36	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	185.82
10-20	648.20
20-30	870.98
30-40	840.71
40-50	811.43
50-60	389.91
60-70	277.43
70-80	111.71
80-90	42.04
90-100	93.23
100-110	335.35
110-120	671.20
120-130	1025.11
130-140	1269.2
140-150	1293.19
150-160	1090.18
160-170	720.57
170-180	251.11

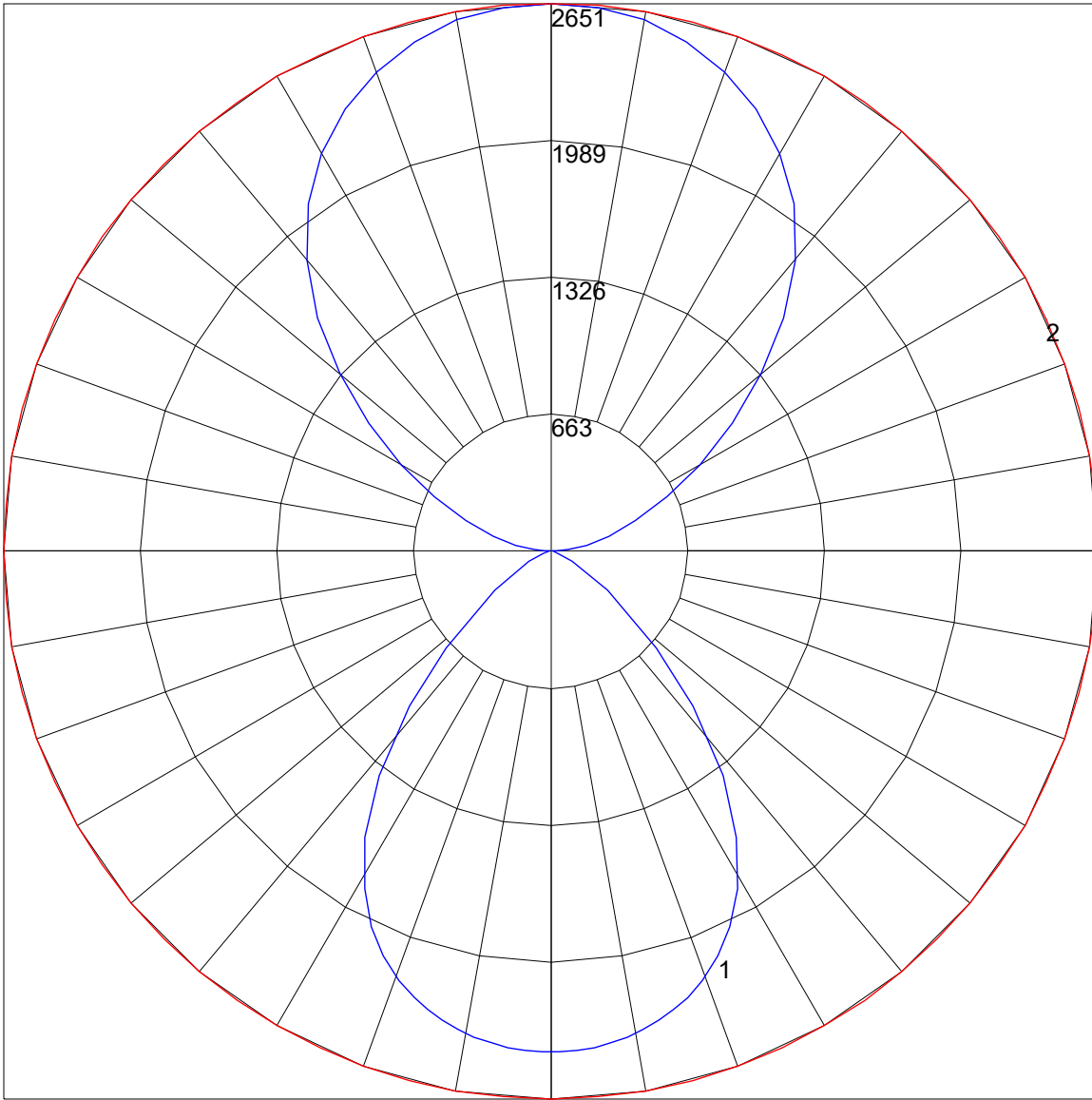
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U2S7_BL.IES

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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	96	92	88	85	87	84	81	78	68	66	64	54	53	52	41	40	40	34
2	88	81	76	71	80	74	69	65	61	57	55	48	46	44	37	36	35	29
3	81	72	65	60	73	66	60	55	54	50	47	44	41	38	34	32	30	26
4	74	64	57	51	67	59	52	48	49	44	40	39	36	34	31	28	27	23
5	68	58	50	44	62	53	46	41	44	39	35	36	32	30	28	26	24	20
6	63	52	44	39	57	48	41	36	40	35	31	32	29	26	26	23	21	18
7	58	47	39	34	53	43	37	32	36	31	28	30	26	23	24	21	19	17
8	54	43	35	30	49	39	33	29	33	28	25	27	24	21	22	19	17	15
9	51	39	32	27	46	36	30	26	30	26	22	25	22	19	20	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	19	16	15	13

POLAR GRAPH



Maximum Candela = 2651.412 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.)