

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U1S1-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	80	83	84	86
Total Lumens, 4' rail length (1219mm)	8545	8815	8995	9175
Lumens per foot (305mm)	2136	2204	2249	2294
Lumens per foot UP (305mm)	1560	1609	1642	1591
Lumens per foot DOWN (305mm)	576	594	606	588
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_U1S1_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805807R01 (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-U1S1-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens 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	8995
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	1279	3464	13910
55	559	1377	6845
65	337	699	3179
75	213	451	1716
85	143	162	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	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012
1.0	2426.604	2426.604	2428.808	2428.808	2428.808	2428.808	2428.808	2428.808	2428.808	2428.808
3.0	2404.564	2404.564	2406.768	2406.768	2408.972	2408.972	2411.176	2411.176	2413.380	2415.584
5.0	2358.280	2358.280	2360.484	2362.688	2364.892	2369.300	2373.708	2378.116	2384.728	2389.136
7.0	2285.548	2287.752	2289.956	2294.364	2298.772	2307.588	2316.404	2325.220	2336.240	2347.260
9.0	2188.572	2188.572	2192.980	2201.796	2212.816	2226.040	2239.264	2256.896	2274.528	2292.160
11.0	2065.148	2067.352	2073.964	2084.984	2102.616	2120.248	2142.288	2166.532	2192.980	2219.428
13.0	1915.276	1919.684	1928.500	1943.928	1965.968	1992.416	2023.272	2056.332	2093.800	2131.268
15.0	1752.180	1756.588	1769.812	1787.444	1816.096	1851.360	1888.828	1932.908	1981.396	2029.884
17.0	1569.248	1575.860	1589.084	1613.328	1646.388	1688.264	1736.752	1791.852	1851.360	1913.072
19.5	1335.624	1342.236	1357.664	1386.316	1425.988	1474.476	1531.780	1600.104	1675.040	1752.180
22.5	1057.920	1064.532	1082.164	1113.020	1157.100	1209.996	1278.320	1355.460	1441.416	1536.188
25.5	802.256	808.868	826.500	857.356	901.436	956.536	1024.860	1108.612	1203.384	1306.972
29.0	557.612	564.224	579.652	606.100	643.568	694.260	760.380	839.724	932.292	1042.492
33.0	354.844	359.252	370.272	390.108	420.964	460.636	513.532	581.856	665.608	762.584
37.5	207.176	209.380	218.196	231.420	251.256	279.908	315.172	363.660	427.576	504.716
42.5	114.608	116.812	121.220	127.832	141.056	156.484	180.728	211.584	251.256	304.152
47.5	66.120	66.120	68.324	72.732	79.344	90.364	103.588	123.424	145.464	176.320
55.0	33.060	33.060	33.060	35.264	39.672	41.876	48.488	55.100	66.120	79.344
65.0	15.428	15.428	15.428	15.428	17.632	19.836	22.040	24.244	26.448	30.856
75.0	6.612	6.612	6.612	6.612	6.612	8.816	8.816	11.020	11.020	13.224
85.0	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204
90.0	0.000	0.000	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204
95.0	52.896	52.896	55.100	55.100	55.100	55.100	55.100	57.304	57.304	59.508
100.0	143.260	143.260	143.260	145.464	145.464	147.668	149.872	154.280	156.484	158.688
105.0	257.868	257.868	257.868	260.072	264.480	266.684	271.092	277.704	282.112	288.724
110.0	401.128	403.332	405.536	407.740	412.148	418.760	425.372	431.984	440.800	449.616
115.0	579.652	579.652	581.856	586.264	592.876	599.488	608.304	617.120	628.140	639.160
120.0	786.828	786.828	789.032	795.644	802.256	811.072	819.888	833.112	844.132	857.356
125.0	1020.452	1022.656	1024.860	1031.472	1038.084	1049.104	1060.124	1071.144	1086.572	1099.796
130.0	1273.912	1273.912	1278.320	1284.932	1291.544	1302.564	1313.584	1324.604	1340.032	1353.256
135.0	1531.780	1531.780	1536.188	1540.596	1549.412	1558.228	1567.044	1578.064	1591.288	1602.308
140.0	1778.628	1780.832	1783.036	1787.444	1794.056	1800.668	1807.280	1816.096	1824.912	1833.728
145.0	1999.028	2001.232	2003.436	2005.640	2010.048	2014.456	2018.864	2025.476	2029.884	2036.496
150.0	2186.368	2186.368	2186.368	2188.572	2190.776	2192.980	2197.388	2199.592	2204.000	2206.204
155.0	2334.036	2334.036	2334.036	2336.240	2336.240	2338.444	2340.648	2342.852	2345.056	2347.260
160.0	2450.848	2450.848	2450.848	2453.052	2453.052	2453.052	2455.256	2457.460	2457.460	2459.664
165.0	2541.212	2541.212	2541.212	2541.212	2543.416	2543.416	2545.620	2545.620	2547.824	2550.028
170.0	2609.536	2607.332	2609.536	2609.536	2609.536	2609.536	2611.740	2611.740	2613.944	2613.944
175.0	2651.412	2651.412	2651.412	2651.412	2653.616	2653.616	2653.616	2653.616	2653.616	2653.616
180.0	2669.044	2669.044	2669.044	2669.044	2669.044	2669.044	2669.044	2669.044	2669.044	2669.044

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	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012
1.0	2428.808	2428.808	2428.808	2428.808	2431.012	2431.012	2431.012	2431.012	2428.808
3.0	2417.788	2419.992	2422.196	2422.196	2424.400	2426.604	2426.604	2426.604	2426.604
5.0	2393.544	2400.156	2404.564	2408.972	2413.380	2415.584	2417.788	2417.788	2417.788
7.0	2358.280	2367.096	2375.912	2386.932	2393.544	2400.156	2402.360	2406.768	2406.768
9.0	2309.792	2327.424	2342.852	2356.076	2369.300	2378.116	2384.728	2389.136	2391.340
11.0	2248.080	2272.324	2296.568	2318.608	2336.240	2351.668	2362.688	2367.096	2371.504
13.0	2168.736	2206.204	2239.264	2270.120	2296.568	2316.404	2331.832	2340.648	2342.852
15.0	2080.576	2129.064	2173.144	2215.020	2250.284	2276.732	2296.568	2309.792	2311.996

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CANDELA TABULATION - (Cont.)

17.0	1979.192	2038.700	2096.004	2148.900	2192.980	2228.244	2254.692	2270.120	2276.732
19.5	1831.524	1910.868	1983.600	2054.128	2111.432	2157.716	2192.980	2212.816	2219.428
22.5	1635.368	1734.548	1827.116	1919.684	1994.620	2056.332	2102.616	2129.064	2137.880
25.5	1421.580	1536.188	1650.796	1760.996	1853.564	1932.908	1990.212	2023.272	2032.088
29.0	1163.712	1293.748	1425.988	1553.820	1668.428	1760.996	1831.524	1875.604	1891.032
33.0	881.600	1013.840	1150.488	1291.544	1423.784	1538.392	1619.940	1672.836	1690.468
37.5	601.692	718.504	848.540	985.188	1126.244	1249.668	1342.236	1399.540	1417.172
42.5	370.272	458.432	557.612	678.832	800.052	901.436	1005.024	1062.328	1082.164
47.5	220.400	279.908	343.824	429.780	517.940	606.100	678.832	729.524	747.156
55.0	99.180	123.424	156.484	196.156	242.440	286.520	328.396	357.048	365.864
65.0	37.468	46.284	57.304	68.324	83.752	99.180	112.404	121.220	125.628
75.0	15.428	17.632	22.040	24.244	28.652	33.060	37.468	39.672	41.876
85.0	2.204	4.408	4.408	4.408	4.408	6.612	6.612	6.612	6.612
90.0	2.204	2.204	2.204	2.204	2.204	0.000	0.000	0.000	0.000
95.0	59.508	59.508	59.508	61.712	61.712	61.712	61.712	59.508	59.508
100.0	160.892	165.300	167.504	169.708	171.912	171.912	174.116	174.116	174.116
105.0	293.132	299.744	304.152	308.560	312.968	317.376	317.376	319.580	319.580
110.0	458.432	465.044	473.860	480.472	487.084	491.492	493.696	495.900	495.900
115.0	650.180	661.200	672.220	681.036	687.648	694.260	698.668	700.872	703.076
120.0	870.580	883.804	897.028	905.844	914.660	921.272	925.680	930.088	932.292
125.0	1115.224	1128.448	1139.468	1150.488	1159.304	1165.916	1172.528	1176.936	1179.140
130.0	1366.480	1379.704	1390.724	1399.540	1408.356	1414.968	1421.580	1425.988	1428.192
135.0	1613.328	1624.348	1633.164	1639.776	1648.592	1655.204	1661.816	1666.224	1668.428
140.0	1840.340	1849.156	1855.768	1862.380	1868.992	1873.400	1880.012	1884.420	1886.624
145.0	2040.904	2045.312	2051.924	2056.332	2060.740	2067.352	2071.760	2076.168	2078.372
150.0	2210.612	2215.020	2217.224	2223.836	2228.244	2232.652	2237.060	2239.264	2241.468
155.0	2349.464	2353.872	2356.076	2360.484	2364.892	2367.096	2371.504	2373.708	2375.912
160.0	2464.072	2466.276	2468.480	2470.684	2475.092	2477.296	2481.704	2481.704	2481.704
165.0	2552.232	2554.436	2556.640	2558.844	2561.048	2561.048	2563.252	2565.456	2565.456
170.0	2616.148	2616.148	2618.352	2618.352	2620.556	2620.556	2622.760	2622.760	2622.760
175.0	2653.616	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820	2658.024	2655.820
180.0	2669.044	2669.044	2669.044	2669.044	2669.044	2669.044	2669.044	2669.044	2669.044

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	755.71	N.A.	8.40
0-30	1368.37	N.A.	15.20
0-40	1819.68	N.A.	20.20
0-60	2291.24	N.A.	25.50
0-80	2412.79	N.A.	26.80
0-90	2425.75	N.A.	27.00
10-90	2243.07	N.A.	24.90
20-40	1063.97	N.A.	11.80
20-50	1400.93	N.A.	15.60
40-70	558.64	N.A.	6.20
60-80	121.54	N.A.	1.40
70-80	34.47	N.A.	0.40
80-90	12.96	N.A.	0.10
90-110	387.65	N.A.	4.30
90-120	1027.73	N.A.	11.40
90-130	2013.13	N.A.	22.40
90-150	4515.48	N.A.	50.20
90-180	6569.31	N.A.	73.00
110-180	6181.66	N.A.	68.70
0-180	8995.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

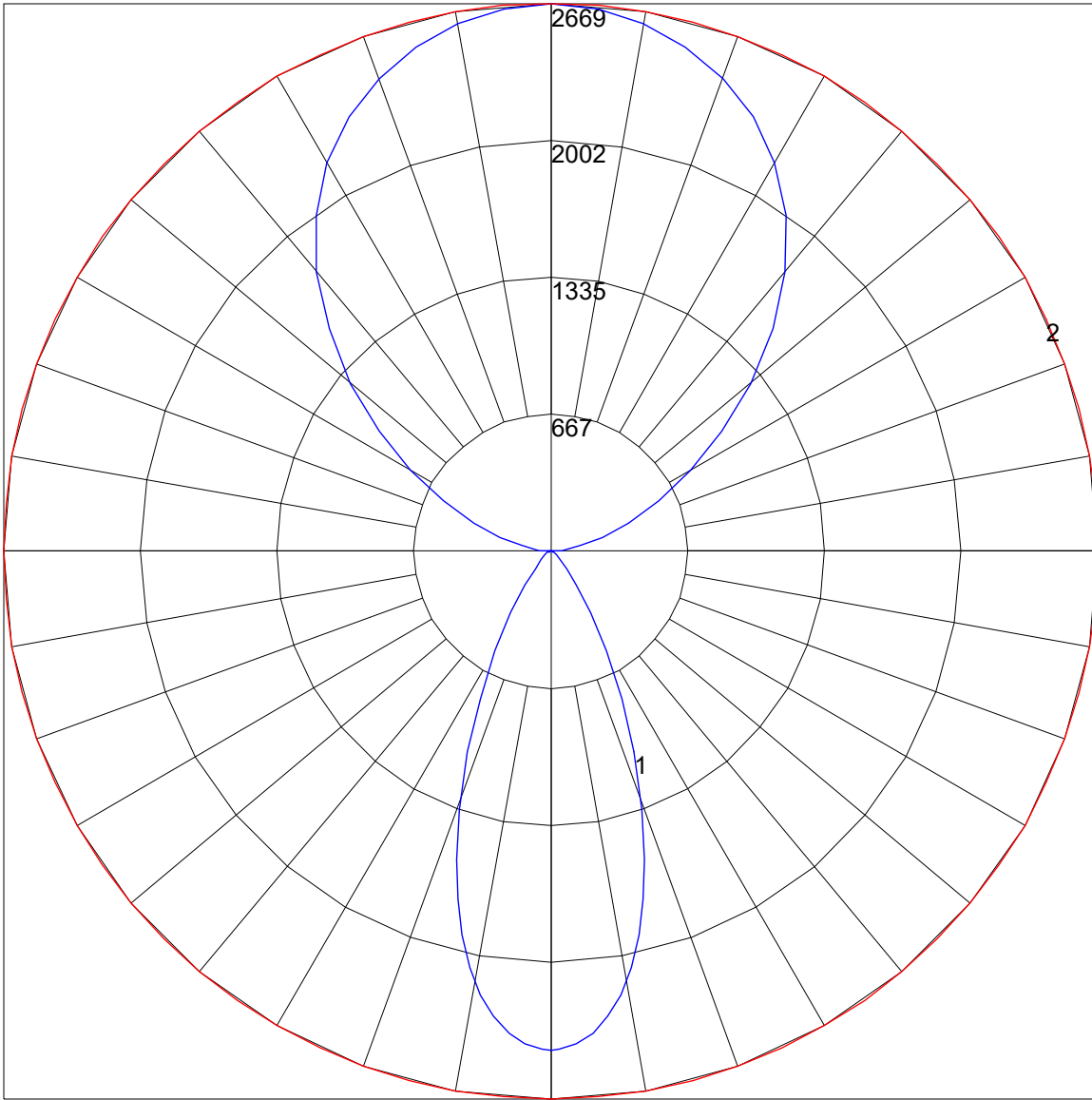
Zone	Lumens
0-10	182.68
10-20	573.04
20-30	612.66
30-40	451.30
40-50	336.97
50-60	134.60
60-70	87.07
70-80	34.47
80-90	12.96
90-100	75.22
100-110	312.43
110-120	640.08
120-130	985.40
130-140	1231.73
140-150	1270.63
150-160	1081.93
160-170	719.76
170-180	252.13

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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	90	86	83	83	80	78	75	63	61	59	47	46	45	32	32	31	24
2	86	79	74	70	77	71	67	63	56	53	51	42	41	39	30	29	28	22
3	79	71	64	59	71	64	58	54	51	47	44	38	36	34	27	26	25	20
4	73	63	56	51	65	57	51	47	46	42	38	35	32	30	25	24	22	18
5	67	57	50	44	60	52	45	41	41	37	34	32	29	27	23	22	20	17
6	62	51	44	39	56	47	40	36	38	33	30	29	26	24	21	20	19	15
7	58	47	40	34	52	42	36	32	34	30	27	27	24	22	20	18	17	14
8	54	43	36	31	48	39	33	29	32	27	24	25	22	20	19	17	16	13
9	50	39	32	28	45	36	30	26	29	25	22	23	20	18	17	16	14	12
10	47	36	29	25	42	33	27	23	27	23	20	22	19	17	16	15	13	11

POLAR GRAPH



Maximum Candela = 2669.044 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.)