

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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	113	116	119	121
Total Lumens, 4' rail length (1219mm)	12018	12398	12651	12904
Lumens per foot (305mm)	3005	3099	3163	3226
Lumens per foot UP (305mm)	6628	6837	6977	7116
Lumens per foot DOWN (305mm)	5391	5561	5675	5788
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-AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L081800701 (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-AL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens up/soft diffuse lens down, high output, clear anodized finish
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12651
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
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	18591	18876	19811
55	17393	17772	19079
65	15558	16046	17811
75	12482	13090	15373
85	6818	7415	10804

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	1974.784	1974.784	1974.784	1974.784	1974.784	1974.784	1974.784	1974.784	1974.784	1974.784
5	1965.968	1968.172	1965.968	1965.968	1968.172	1968.172	1965.968	1965.968	1965.968	1965.968
10	1941.724	1941.724	1941.724	1941.724	1941.724	1941.724	1941.724	1941.724	1941.724	1941.724
15	1897.644	1897.644	1897.644	1897.644	1897.644	1897.644	1897.644	1897.644	1897.644	1897.644
20	1838.136	1838.136	1838.136	1838.136	1838.136	1835.932	1835.932	1835.932	1835.932	1835.932
25	1760.996	1760.996	1760.996	1760.996	1760.996	1760.996	1760.996	1758.792	1758.792	1758.792
30	1670.632	1670.632	1670.632	1670.632	1670.632	1668.428	1668.428	1668.428	1668.428	1666.224
35	1564.840	1564.840	1564.840	1564.840	1564.840	1564.840	1562.636	1562.636	1562.636	1560.432
40	1448.028	1448.028	1448.028	1448.028	1448.028	1448.028	1445.824	1445.824	1445.824	1443.620
45	1320.196	1320.196	1320.196	1320.196	1317.992	1317.992	1317.992	1317.992	1315.788	1315.788
50	1181.344	1181.344	1181.344	1181.344	1179.140	1179.140	1179.140	1176.936	1176.936	1176.936
55	1033.676	1033.676	1033.676	1033.676	1031.472	1031.472	1031.472	1031.472	1029.268	1029.268
60	877.192	877.192	877.192	877.192	877.192	877.192	874.988	874.988	874.988	872.784
65	716.300	718.504	716.300	716.300	716.300	716.300	714.096	714.096	714.096	711.892
70	553.204	553.204	553.204	553.204	551.000	551.000	551.000	548.796	548.796	548.796
75	390.108	390.108	390.108	390.108	390.108	387.904	387.904	387.904	385.700	385.700
80	238.032	238.032	238.032	235.828	235.828	235.828	233.624	233.624	231.420	231.420
85	105.792	105.792	105.792	105.792	103.588	103.588	103.588	103.588	101.384	101.384
90	8.816	8.816	8.816	6.612	6.612	6.612	6.612	6.612	6.612	6.612
95	68.324	68.324	68.324	70.528	70.528	70.528	70.528	70.528	70.528	70.528
100	169.708	169.708	171.912	171.912	174.116	174.116	176.320	178.524	180.728	182.932
105	297.540	299.744	299.744	301.948	304.152	308.560	310.764	315.172	319.580	323.988
110	458.432	458.432	460.636	462.840	467.248	471.656	478.268	484.880	491.492	498.104
115	650.180	650.180	652.384	656.792	661.200	667.812	674.424	683.240	692.056	700.872
120	870.580	870.580	872.784	877.192	883.804	890.416	899.232	910.252	921.272	932.292
125	1115.224	1115.224	1119.632	1124.040	1130.652	1139.468	1148.284	1159.304	1170.324	1183.548
130	1375.296	1377.500	1379.704	1384.112	1390.724	1399.540	1410.560	1421.580	1434.804	1445.824
135	1639.776	1639.776	1641.980	1646.388	1653.000	1661.816	1670.632	1679.448	1690.468	1699.284
140	1888.828	1888.828	1891.032	1895.440	1899.848	1906.460	1913.072	1919.684	1926.296	1932.908
145	2109.228	2109.228	2111.432	2113.636	2115.840	2120.248	2122.452	2126.860	2131.268	2133.472
150	2289.956	2292.160	2292.160	2294.364	2294.364	2296.568	2298.772	2300.976	2303.180	2305.384
155	2437.624	2437.624	2437.624	2437.624	2437.624	2439.828	2439.828	2442.032	2444.236	2446.440
160	2552.232	2552.232	2552.232	2552.232	2554.436	2554.436	2554.436	2556.640	2558.844	2558.844
165	2640.392	2640.392	2640.392	2640.392	2642.596	2642.596	2644.800	2644.800	2647.004	2649.208
170	2708.716	2708.716	2708.716	2710.920	2710.920	2710.920	2713.124	2713.124	2715.328	2717.532
175	2755.000	2755.000	2755.000	2755.000	2757.204	2757.204	2757.204	2757.204	2757.204	2759.408
180	2772.632	2772.632	2772.632	2772.632	2772.632	2772.632	2772.632	2772.632	2772.632	2772.632

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>
0	1974.784	1974.784	1974.784	1974.784	1974.784	1974.784	1974.784	1974.784	1974.784
5	1968.172	1965.968	1965.968	1965.968	1965.968	1968.172	1965.968	1968.172	1965.968
10	1939.520	1939.520	1939.520	1939.520	1939.520	1939.520	1939.520	1941.724	1939.520
15	1895.440	1895.440	1895.440	1895.440	1895.440	1895.440	1895.440	1895.440	1895.440
20	1835.932	1835.932	1835.932	1833.728	1833.728	1833.728	1833.728	1833.728	1833.728
25	1758.792	1758.792	1756.588	1756.588	1756.588	1756.588	1756.588	1756.588	1756.588
30	1666.224	1666.224	1666.224	1664.020	1664.020	1664.020	1664.020	1664.020	1664.020
35	1560.432	1560.432	1558.228	1558.228	1558.228	1558.228	1558.228	1558.228	1556.024
40	1443.620	1441.416	1441.416	1441.416	1441.416	1439.212	1439.212	1439.212	1439.212
45	1313.584	1313.584	1313.584	1311.380	1311.380	1311.380	1311.380	1309.176	1309.176
50	1174.732	1174.732	1174.732	1172.528	1172.528	1172.528	1170.324	1172.528	1170.324
55	1027.064	1027.064	1027.064	1024.860	1024.860	1024.860	1024.860	1024.860	1024.860
60	872.784	872.784	870.580	870.580	870.580	868.376	868.376	868.376	868.376

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CANDELA TABULATION - (Cont.)

65	711.892	709.688	709.688	709.688	707.484	707.484	707.484	707.484	707.484
70	546.592	546.592	544.388	544.388	544.388	542.184	542.184	542.184	542.184
75	383.496	383.496	381.292	381.292	379.088	379.088	379.088	376.884	376.884
80	229.216	229.216	227.012	224.808	224.808	222.604	222.604	222.604	222.604
85	99.180	99.180	96.976	96.976	94.772	94.772	94.772	92.568	92.568
90	4.408	4.408	4.408	4.408	4.408	4.408	4.408	2.204	2.204
95	70.528	70.528	70.528	70.528	70.528	70.528	70.528	68.324	68.324
100	185.136	185.136	187.340	189.544	189.544	189.544	191.748	189.544	191.748
105	328.396	332.804	337.212	341.620	343.824	346.028	348.232	348.232	348.232
110	504.716	511.328	517.940	524.552	528.960	531.164	533.368	535.572	535.572
115	709.688	720.708	729.524	736.136	740.544	744.952	749.360	751.564	751.564
120	943.312	954.332	965.352	971.964	978.576	985.188	989.596	991.800	994.004
125	1196.772	1207.792	1216.608	1225.424	1232.036	1238.648	1243.056	1247.464	1249.668
130	1456.844	1467.864	1476.680	1483.292	1489.904	1494.312	1500.924	1505.332	1507.536
135	1708.100	1716.916	1723.528	1727.936	1734.548	1741.160	1747.772	1752.180	1754.384
140	1937.316	1943.928	1948.336	1952.744	1957.152	1963.764	1970.376	1974.784	1979.192
145	2137.880	2142.288	2146.696	2148.900	2155.512	2159.920	2166.532	2170.940	2173.144
150	2307.588	2309.792	2314.200	2318.608	2323.016	2329.628	2334.036	2338.444	2338.444
155	2446.440	2450.848	2453.052	2457.460	2461.868	2468.480	2472.888	2475.092	2475.092
160	2561.048	2565.456	2567.660	2572.068	2576.476	2578.680	2583.088	2585.292	2585.292
165	2651.412	2653.616	2655.820	2660.228	2662.432	2664.636	2666.840	2669.044	2669.044
170	2717.532	2719.736	2721.940	2721.940	2724.144	2726.348	2726.348	2726.348	2726.348
175	2759.408	2759.408	2759.408	2759.408	2759.408	2761.612	2761.612	2761.612	2761.612
180	2772.632	2772.632	2772.632	2772.632	2772.632	2772.632	2772.632	2772.632	2772.632

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	722.14	N.A.	5.70
0-30	1532.7	N.A.	12.10
0-40	2509.52	N.A.	19.80
0-60	4443.01	N.A.	35.10
0-80	5555.76	N.A.	43.90
0-90	5674.55	N.A.	44.90
10-90	5487.65	N.A.	43.40
20-40	1787.38	N.A.	14.10
20-50	2801.72	N.A.	22.10
40-70	2637.98	N.A.	20.90
60-80	1112.74	N.A.	8.80
70-80	408.25	N.A.	3.20
80-90	118.80	N.A.	0.90
90-110	439.19	N.A.	3.50
90-120	1139.73	N.A.	9.00
90-130	2199.02	N.A.	17.40
90-150	4838.03	N.A.	38.20
90-180	6976.61	N.A.	55.10
110-180	6537.43	N.A.	51.70
0-180	12651.17	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	186.90
10-20	535.24
20-30	810.56
30-40	976.82
40-50	1014.34
50-60	919.16
60-70	704.49
70-80	408.25
80-90	118.80
90-100	89.11
100-110	350.08
110-120	700.54
120-130	1059.29
130-140	1305.77
140-150	1333.24
150-160	1128.24
160-170	748.34
170-180	262.00

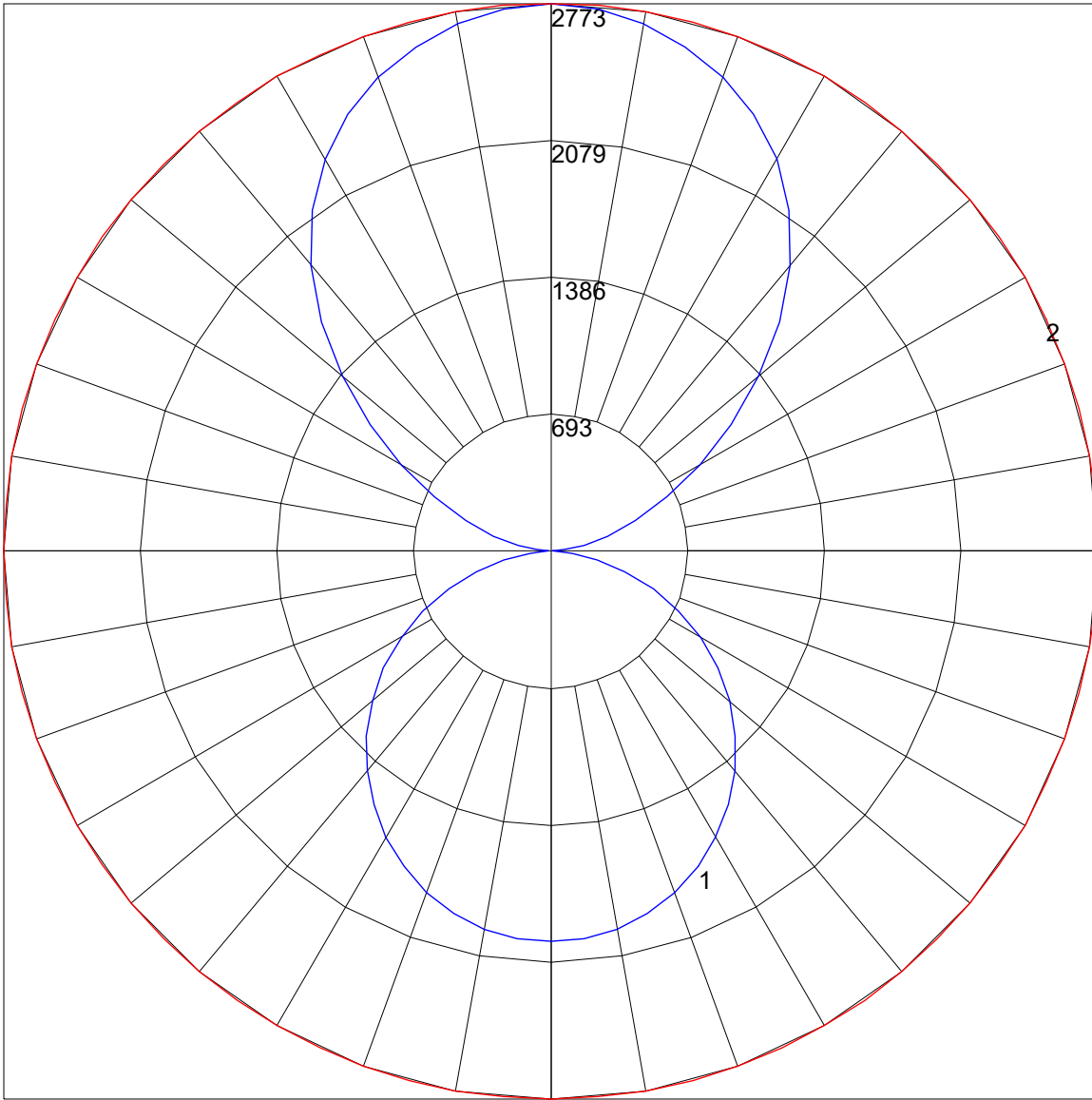
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	85	88	84	81	78	70	68	66	57	56	54	45	44	43	37
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	39	38	36	31
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	32	30	26
4	73	62	54	48	66	57	50	45	48	43	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	23	19
6	62	49	41	35	56	46	38	33	38	33	29	32	27	24	25	22	20	17
7	57	44	37	31	52	41	34	29	35	29	25	29	24	21	23	20	17	15
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13
9	49	37	29	24	45	34	27	23	29	24	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 = 2772.632 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.)