

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 80 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U2D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	108	111	113	115
Total Lumens, 4' rail length (1219mm)	11472	11834	12076	12317
Lumens per foot (305mm)	2868	2959	3019	3079
Lumens per foot UP (305mm)	6470	6674	6811	6947
Lumens per foot DOWN (305mm)	5002	5160	5265	5371
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-U2D2-BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L081800704 (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-U2D2-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens with edgeglow up/soft diffuse 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	12076
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
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	17101	17359	18210
55	15984	16326	17478
65	14505	14854	16313
75	12130	12566	14294
85	7387	7899	11061

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	1835.932	1835.932	1835.932	1835.932	1835.932	1835.932	1835.932	1835.932	1835.932	1835.932
5	1829.320	1827.116	1829.320	1827.116	1829.320	1829.320	1829.320	1827.116	1829.320	1827.116
10	1802.872	1802.872	1802.872	1802.872	1802.872	1802.872	1802.872	1802.872	1802.872	1802.872
15	1760.996	1760.996	1760.996	1760.996	1760.996	1760.996	1760.996	1760.996	1760.996	1760.996
20	1703.692	1703.692	1703.692	1703.692	1703.692	1703.692	1703.692	1703.692	1701.488	1701.488
25	1630.960	1630.960	1630.960	1630.960	1630.960	1630.960	1630.960	1628.756	1628.756	1628.756
30	1545.004	1545.004	1545.004	1545.004	1542.800	1542.800	1542.800	1542.800	1540.596	1540.596
35	1445.824	1445.824	1445.824	1445.824	1445.824	1443.620	1443.620	1443.620	1441.416	1441.416
40	1335.624	1335.624	1335.624	1335.624	1333.420	1333.420	1333.420	1331.216	1331.216	1331.216
45	1214.404	1214.404	1214.404	1214.404	1214.404	1212.200	1212.200	1212.200	1209.996	1209.996
50	1086.572	1086.572	1086.572	1086.572	1084.368	1084.368	1084.368	1082.164	1082.164	1079.960
55	949.924	952.128	949.924	949.924	949.924	949.924	947.720	947.720	945.516	945.516
60	811.072	811.072	808.868	808.868	808.868	808.868	806.664	804.460	804.460	802.256
65	667.812	667.812	665.608	665.608	665.608	663.404	663.404	661.200	661.200	658.996
70	522.348	522.348	522.348	520.144	520.144	520.144	517.940	515.736	513.532	513.532
75	379.088	379.088	379.088	379.088	376.884	376.884	374.680	372.476	372.476	370.272
80	242.440	242.440	242.440	240.236	240.236	240.236	238.032	235.828	233.624	231.420
85	114.608	114.608	114.608	114.608	114.608	112.404	112.404	112.404	110.200	107.996
90	28.652	26.448	26.448	26.448	24.244	24.244	22.040	19.836	17.632	15.428
95	85.956	85.956	85.956	85.956	83.752	83.752	81.548	81.548	79.344	77.140
100	176.320	176.320	176.320	176.320	176.320	178.524	178.524	178.524	180.728	180.728
105	290.928	293.132	293.132	295.336	297.540	299.744	301.948	306.356	310.764	312.968
110	440.800	440.800	443.004	445.208	449.616	454.024	460.636	467.248	473.860	480.472
115	623.732	625.936	628.140	632.548	636.956	643.568	652.384	661.200	670.016	681.036
120	841.928	841.928	846.336	850.744	857.356	866.172	874.988	886.008	899.232	910.252
125	1088.776	1088.776	1093.184	1099.796	1106.408	1115.224	1126.244	1137.264	1150.488	1163.712
130	1353.256	1353.256	1357.664	1362.072	1370.888	1379.704	1390.724	1401.744	1412.764	1423.784
135	1617.736	1617.736	1622.144	1626.552	1633.164	1639.776	1648.592	1657.408	1666.224	1675.040
140	1862.380	1864.584	1866.788	1868.992	1873.400	1877.808	1882.216	1886.624	1893.236	1897.644
145	2069.556	2071.760	2071.760	2073.964	2076.168	2078.372	2080.576	2082.780	2084.984	2087.188
150	2239.264	2239.264	2239.264	2241.468	2241.468	2241.468	2243.672	2243.672	2245.876	2248.080
155	2371.504	2371.504	2371.504	2373.708	2373.708	2373.708	2373.708	2375.912	2378.116	2380.320
160	2479.500	2479.500	2479.500	2479.500	2479.500	2481.704	2481.704	2483.908	2483.908	2483.908
165	2561.048	2563.252	2563.252	2563.252	2563.252	2563.252	2563.252	2563.252	2563.252	2563.252
170	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352
175	2649.208	2649.208	2649.208	2649.208	2649.208	2649.208	2649.208	2649.208	2649.208	2649.208
180	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228

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	1835.932	1835.932	1835.932	1835.932	1835.932	1835.932	1835.932	1835.932	1835.932
5	1827.116	1827.116	1827.116	1827.116	1827.116	1827.116	1827.116	1827.116	1827.116
10	1802.872	1802.872	1802.872	1802.872	1802.872	1802.872	1802.872	1802.872	1800.668
15	1760.996	1760.996	1760.996	1760.996	1758.792	1758.792	1758.792	1758.792	1758.792
20	1701.488	1701.488	1701.488	1701.488	1699.284	1699.284	1699.284	1699.284	1699.284
25	1628.756	1626.552	1626.552	1626.552	1626.552	1626.552	1626.552	1626.552	1624.348
30	1540.596	1538.392	1538.392	1538.392	1538.392	1536.188	1536.188	1536.188	1536.188
35	1441.416	1439.212	1439.212	1439.212	1439.212	1437.008	1437.008	1437.008	1437.008
40	1329.012	1329.012	1326.808	1326.808	1326.808	1324.604	1324.604	1324.604	1324.604
45	1207.792	1207.792	1207.792	1205.588	1205.588	1203.384	1203.384	1203.384	1203.384
50	1079.960	1077.756	1077.756	1077.756	1075.552	1075.552	1075.552	1075.552	1075.552
55	943.312	941.108	941.108	941.108	938.904	938.904	938.904	938.904	938.904
60	802.256	800.052	797.848	797.848	797.848	795.644	795.644	795.644	795.644

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CANDELA TABULATION - (Cont.)

65	656.792	654.588	652.384	652.384	650.180	650.180	647.976	647.976	647.976
70	511.328	509.124	506.920	504.716	502.512	500.308	498.104	498.104	498.104
75	368.068	363.660	361.456	359.252	357.048	354.844	352.640	350.436	350.436
80	229.216	227.012	224.808	222.604	218.196	215.992	213.788	211.584	211.584
85	107.996	105.792	103.588	101.384	99.180	96.976	96.976	94.772	94.772
90	13.224	11.020	8.816	8.816	6.612	4.408	4.408	2.204	2.204
95	77.140	74.936	72.732	72.732	70.528	68.324	68.324	66.120	66.120
100	180.728	182.932	182.932	182.932	182.932	182.932	182.932	180.728	180.728
105	317.376	321.784	326.192	328.396	330.600	330.600	330.600	330.600	330.600
110	487.084	493.696	500.308	506.920	509.124	511.328	513.532	513.532	513.532
115	689.852	698.668	707.484	716.300	720.708	725.116	727.320	727.320	727.320
120	923.476	934.496	943.312	952.128	958.740	963.148	965.352	967.556	967.556
125	1176.936	1187.956	1196.772	1205.588	1212.200	1216.608	1218.812	1221.016	1223.220
130	1434.804	1443.620	1452.436	1459.048	1465.660	1470.068	1472.272	1474.476	1474.476
135	1681.652	1688.264	1692.672	1699.284	1703.692	1705.896	1708.100	1710.304	1712.508
140	1902.052	1904.256	1908.664	1913.072	1917.480	1919.684	1921.888	1921.888	1924.092
145	2091.596	2093.800	2098.208	2100.412	2102.616	2104.820	2104.820	2107.024	2107.024
150	2250.284	2252.488	2254.692	2256.896	2256.896	2259.100	2259.100	2259.100	2261.304
155	2382.524	2382.524	2384.728	2384.728	2384.728	2384.728	2386.932	2386.932	2386.932
160	2486.112	2486.112	2486.112	2486.112	2486.112	2486.112	2488.316	2488.316	2488.316
165	2563.252	2565.456	2563.252	2565.456	2565.456	2565.456	2565.456	2565.456	2565.456
170	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352
175	2649.208	2649.208	2649.208	2649.208	2649.208	2649.208	2649.208	2649.208	2649.208
180	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228	2660.228

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	670.39	N.A.	5.60
0-30	1420.75	N.A.	11.80
0-40	2322.33	N.A.	19.20
0-60	4099.62	N.A.	33.90
0-80	5140.35	N.A.	42.60
0-90	5265.34	N.A.	43.60
10-90	5091.67	N.A.	42.20
20-40	1651.94	N.A.	13.70
20-50	2584.89	N.A.	21.40
40-70	2428.53	N.A.	20.10
60-80	1040.73	N.A.	8.60
70-80	389.50	N.A.	3.20
80-90	124.99	N.A.	1.00
90-110	434.44	N.A.	3.60
90-120	1113.5	N.A.	9.20
90-130	2152.09	N.A.	17.80
90-150	4739.45	N.A.	39.20
90-180	6810.6	N.A.	56.40
110-180	6376.16	N.A.	52.80
0-180	12075.94	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	173.68
10-20	496.71
20-30	750.36
30-40	901.58
40-50	932.95
50-60	844.34
60-70	651.23
70-80	389.50
80-90	124.99
90-100	95.32
100-110	339.12
110-120	679.07
120-130	1038.59
130-140	1283.87
140-150	1303.49
150-160	1095.81
160-170	723.43
170-180	251.91

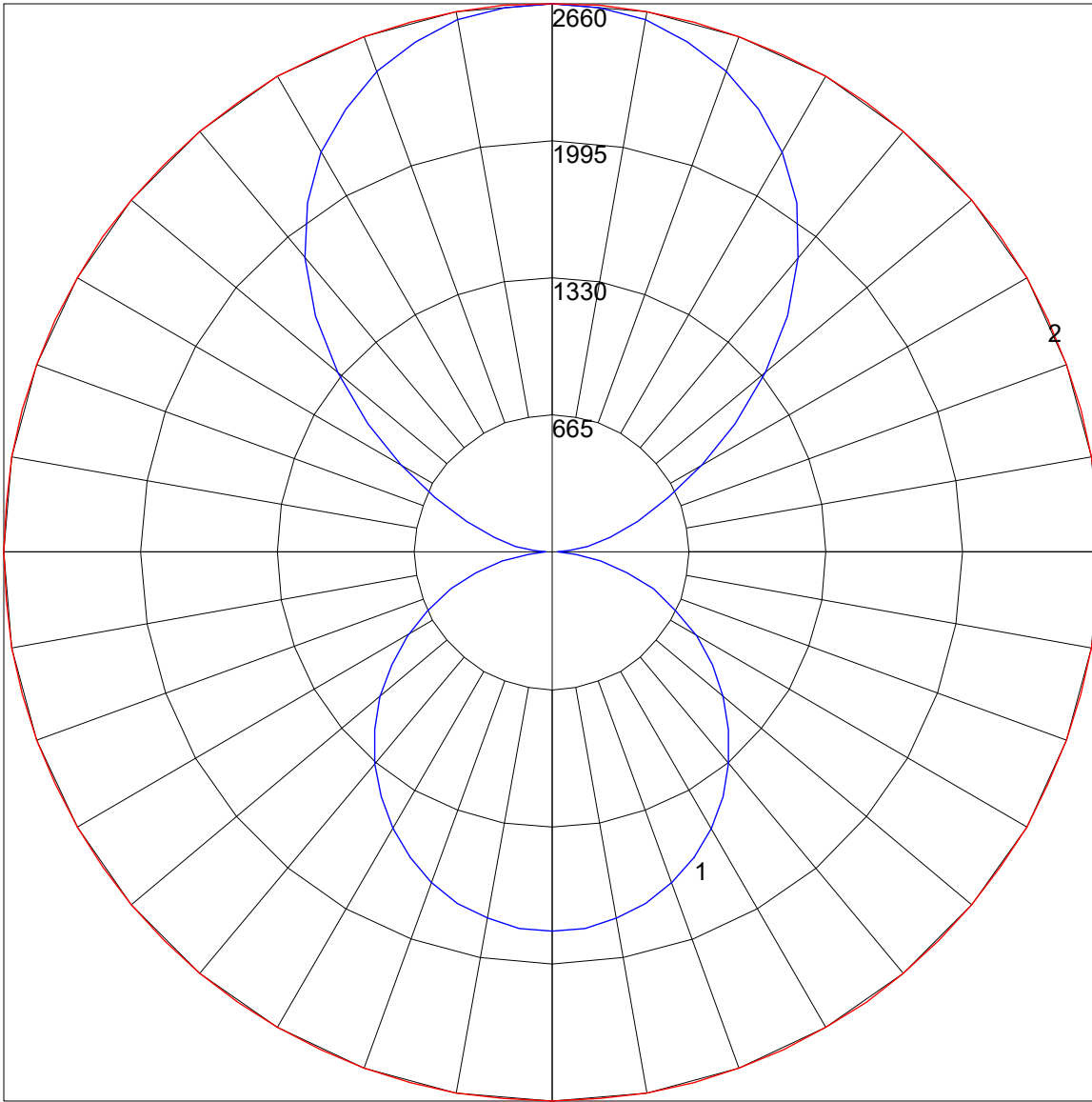
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	64	64	64	50	50	50	44	0
1	96	92	88	84	88	84	81	78	70	67	65	56	55	53	44	43	42	36	0
2	87	80	74	68	80	73	68	63	61	57	53	49	46	44	39	37	35	30	0
3	80	70	63	57	72	64	58	53	53	49	45	43	40	37	34	32	30	25	0
4	73	62	54	48	66	57	50	44	47	42	38	38	35	32	30	28	25	22	0
5	67	55	47	41	61	51	43	38	42	37	33	34	30	27	27	24	22	19	0
6	61	49	41	35	56	45	38	33	38	32	28	31	27	24	25	22	19	16	0
7	57	44	36	31	52	41	34	29	34	29	25	28	24	21	22	19	17	14	0
8	52	40	32	27	48	37	30	25	31	26	22	26	22	19	21	17	15	13	0
9	49	37	29	24	45	34	27	23	29	23	20	24	20	17	19	16	14	11	0
10	46	33	26	22	42	31	25	20	26	21	18	22	18	15	18	15	12	10	0

POLAR GRAPH



Maximum Candela = 2660.228 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.)