

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 60° Symmetric, down | 80 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U2S2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	100	103	105	107
Total Lumens, 4' rail length (1219mm)	10662	10998	11223	11447
Lumens per foot (305mm)	2665	2750	2806	2862
Lumens per foot UP (305mm)	1659	1712	1747	1693
Lumens per foot DOWN (305mm)	1006	1038	1059	1026
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_U2S2_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805804R01 (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-U2S2-AL

[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,

[MORE] symmetric lens with edgeglow up/60° symmetric 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	11223
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
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	5958	10725	19994
55	3802	6387	13772
65	2935	4394	9424
75	2268	3082	6414
85	1142	1458	3102

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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	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792
1.0	2858.588	2858.588	2858.588	2858.588	2858.588	2858.588	2858.588	2858.588	2858.588	2860.792
3.0	2847.568	2847.568	2847.568	2847.568	2847.568	2849.772	2849.772	2849.772	2851.976	2851.976
5.0	2821.120	2821.120	2821.120	2823.324	2823.324	2825.528	2827.732	2829.936	2832.140	2834.344
7.0	2781.448	2781.448	2783.652	2785.856	2788.060	2792.468	2794.672	2799.080	2803.488	2810.100
9.0	2726.348	2726.348	2728.552	2732.960	2737.368	2743.980	2750.592	2757.204	2766.020	2774.836
11.0	2655.820	2655.820	2660.228	2664.636	2673.452	2682.268	2693.288	2704.308	2717.532	2730.756
13.0	2565.456	2567.660	2572.068	2580.884	2591.904	2605.128	2622.760	2638.188	2655.820	2675.656
15.0	2459.664	2461.868	2468.480	2479.500	2494.928	2514.764	2536.804	2558.844	2585.292	2609.536
17.0	2334.036	2338.444	2347.260	2362.688	2382.524	2406.768	2435.420	2466.276	2499.336	2530.192
19.5	2155.512	2159.920	2173.144	2192.980	2219.428	2252.488	2289.956	2331.832	2373.708	2417.788
22.5	1913.072	1917.480	1932.908	1959.356	1994.620	2036.496	2084.984	2140.084	2197.388	2254.692
25.5	1650.796	1657.408	1675.040	1705.896	1747.772	1798.464	1857.972	1924.092	1996.824	2067.352
29.0	1342.236	1348.848	1370.888	1403.948	1448.028	1507.536	1575.860	1653.000	1736.752	1822.708
33.0	1020.452	1027.064	1046.900	1077.756	1126.244	1183.548	1254.076	1337.828	1430.396	1527.372
37.5	725.116	731.728	747.156	775.808	817.684	868.376	932.292	1009.432	1099.796	1196.772
42.5	493.696	498.104	511.328	531.164	562.020	601.692	650.180	714.096	789.032	870.580
47.5	348.232	350.436	359.252	372.476	392.312	420.964	454.024	500.308	553.204	617.120
55.0	224.808	224.808	229.216	235.828	246.848	260.072	279.908	301.948	332.804	368.068
65.0	134.444	136.648	136.648	141.056	143.260	149.872	156.484	167.504	178.524	193.952
75.0	70.528	70.528	70.528	72.732	72.732	74.936	77.140	81.548	85.956	90.364
85.0	17.632	17.632	17.632	17.632	17.632	17.632	19.836	19.836	19.836	19.836
90.0	33.060	33.060	33.060	30.856	30.856	28.652	26.448	24.244	22.040	19.836
95.0	88.160	88.160	88.160	88.160	85.956	85.956	83.752	83.752	81.548	79.344
100.0	180.728	180.728	182.932	182.932	182.932	182.932	182.932	185.136	185.136	185.136
105.0	304.152	304.152	306.356	306.356	308.560	312.968	315.172	317.376	321.784	323.988
110.0	462.840	462.840	465.044	467.248	471.656	476.064	482.676	487.084	493.696	500.308
115.0	658.996	658.996	661.200	665.608	670.016	676.628	683.240	692.056	700.872	709.688
120.0	890.416	892.620	894.824	899.232	903.640	912.456	919.068	930.088	938.904	947.720
125.0	1148.284	1150.488	1152.692	1157.100	1163.712	1170.324	1179.140	1187.956	1196.772	1207.792
130.0	1417.172	1417.172	1419.376	1423.784	1428.192	1434.804	1443.620	1452.436	1461.252	1470.068
135.0	1675.040	1675.040	1677.244	1679.448	1686.060	1690.468	1697.080	1703.692	1710.304	1716.916
140.0	1910.868	1910.868	1913.072	1915.276	1917.480	1921.888	1926.296	1930.704	1932.908	1937.316
145.0	2113.636	2113.636	2113.636	2115.840	2118.044	2120.248	2122.452	2124.656	2126.860	2129.064
150.0	2281.140	2281.140	2281.140	2281.140	2283.344	2283.344	2285.548	2285.548	2287.752	2289.956
155.0	2415.584	2415.584	2415.584	2415.584	2417.788	2417.788	2417.788	2419.992	2419.992	2422.196
160.0	2523.580	2523.580	2523.580	2523.580	2525.784	2525.784	2525.784	2525.784	2525.784	2527.988
165.0	2607.332	2607.332	2607.332	2607.332	2607.332	2607.332	2607.332	2607.332	2607.332	2607.332
170.0	2664.636	2664.636	2664.636	2664.636	2664.636	2664.636	2664.636	2664.636	2664.636	2664.636
175.0	2697.696	2697.696	2697.696	2697.696	2697.696	2697.696	2697.696	2697.696	2697.696	2697.696
180.0	2708.716	2708.716	2708.716	2708.716	2708.716	2708.716	2708.716	2708.716	2708.716	2708.716

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>
0.0	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792
1.0	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792	2860.792
3.0	2851.976	2854.180	2854.180	2854.180	2856.384	2856.384	2856.384	2856.384	2856.384
5.0	2836.548	2838.752	2840.956	2843.160	2845.364	2847.568	2847.568	2847.568	2847.568
7.0	2814.508	2818.916	2823.324	2825.528	2829.936	2832.140	2834.344	2834.344	2834.344
9.0	2781.448	2790.264	2796.876	2803.488	2807.896	2812.304	2816.712	2818.916	2818.916
11.0	2741.776	2755.000	2763.816	2774.836	2781.448	2788.060	2792.468	2796.876	2796.876
13.0	2693.288	2708.716	2724.144	2737.368	2748.388	2759.408	2766.020	2768.224	2770.428
15.0	2633.780	2655.820	2675.656	2693.288	2708.716	2721.940	2730.756	2735.164	2737.368

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CANDELA TABULATION - (Cont.)

17.0	2561.048	2591.904	2618.352	2642.596	2662.432	2677.860	2688.880	2695.492	2697.696
19.5	2459.664	2499.336	2534.600	2567.660	2591.904	2611.740	2627.168	2635.984	2638.188
22.5	2311.996	2364.892	2413.380	2455.256	2488.316	2514.764	2534.600	2545.620	2547.824
25.5	2140.084	2208.408	2270.120	2323.016	2367.096	2400.156	2424.400	2437.624	2442.032
29.0	1913.072	1996.824	2073.964	2142.288	2195.184	2239.264	2267.916	2285.548	2289.956
33.0	1628.756	1727.936	1820.504	1902.052	1968.172	2018.864	2056.332	2076.168	2082.780
37.5	1302.564	1408.356	1509.740	1602.308	1677.244	1738.956	1778.628	1802.872	1811.688
42.5	967.556	1066.736	1163.712	1256.280	1335.624	1401.744	1445.824	1470.068	1478.884
47.5	692.056	773.604	857.356	938.904	1011.636	1071.144	1115.224	1141.672	1150.488
55.0	412.148	460.636	513.532	570.836	623.732	670.016	705.280	727.320	736.136
65.0	211.584	233.624	257.868	284.316	308.560	335.008	354.844	368.068	372.476
75.0	96.976	105.792	112.404	123.424	132.240	141.056	149.872	154.280	156.484
85.0	22.040	22.040	22.040	24.244	24.244	26.448	26.448	26.448	26.448
90.0	17.632	15.428	13.224	11.020	8.816	6.612	4.408	2.204	2.204
95.0	77.140	77.140	74.936	72.732	70.528	70.528	68.324	66.120	66.120
100.0	185.136	187.340	187.340	187.340	187.340	185.136	185.136	185.136	182.932
105.0	328.396	330.600	335.008	337.212	337.212	339.416	339.416	339.416	337.212
110.0	506.920	511.328	517.940	520.144	524.552	526.756	526.756	526.756	526.756
115.0	718.504	725.116	731.728	738.340	742.748	744.952	747.156	747.156	747.156
120.0	958.740	967.556	976.372	982.984	987.392	991.800	994.004	994.004	994.004
125.0	1216.608	1225.424	1234.240	1240.852	1245.260	1249.668	1251.872	1251.872	1254.076
130.0	1476.680	1485.496	1492.108	1496.516	1500.924	1503.128	1505.332	1507.536	1507.536
135.0	1723.528	1727.936	1732.344	1736.752	1738.956	1741.160	1743.364	1743.364	1745.568
140.0	1941.724	1943.928	1948.336	1950.540	1952.744	1954.948	1954.948	1957.152	1957.152
145.0	2131.268	2133.472	2135.676	2137.880	2137.880	2140.084	2140.084	2140.084	2140.084
150.0	2289.956	2292.160	2294.364	2294.364	2294.364	2296.568	2296.568	2296.568	2296.568
155.0	2422.196	2422.196	2424.400	2424.400	2424.400	2424.400	2424.400	2426.604	2426.604
160.0	2527.988	2527.988	2527.988	2527.988	2527.988	2527.988	2527.988	2527.988	2527.988
165.0	2607.332	2607.332	2607.332	2607.332	2607.332	2609.536	2609.536	2609.536	2609.536
170.0	2664.636	2664.636	2664.636	2664.636	2664.636	2664.636	2664.636	2664.636	2664.636
175.0	2697.696	2697.696	2697.696	2697.696	2697.696	2697.696	2697.696	2697.696	2697.696
180.0	2708.716	2708.716	2708.716	2708.716	2708.716	2708.716	2708.716	2708.716	2708.716

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U2S2_AL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	952.38	N.A.	8.50
0-30	1855.18	N.A.	16.50
0-40	2630.85	N.A.	23.40
0-60	3684.08	N.A.	32.80
0-80	4158.03	N.A.	37.10
0-90	4235.33	N.A.	37.70
10-90	4017.36	N.A.	35.80
20-40	1678.46	N.A.	15.00
20-50	2375.35	N.A.	21.20
40-70	1360.31	N.A.	12.10
60-80	473.95	N.A.	4.20
70-80	166.88	N.A.	1.50
80-90	77.30	N.A.	0.70
90-110	449.12	N.A.	4.00
90-120	1155.9	N.A.	10.30
90-130	2233.67	N.A.	19.90
90-150	4880.07	N.A.	43.50
90-180	6987.36	N.A.	62.30
110-180	6538.24	N.A.	58.30
0-180	11222.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	217.97
10-20	734.41
20-30	902.79
30-40	775.67
40-50	696.88
50-60	356.35
60-70	307.07
70-80	166.88
80-90	77.30
90-100	98.44
100-110	350.69
110-120	706.77
120-130	1077.77
130-140	1317.88
140-150	1328.52
150-160	1114.94
160-170	735.89
170-180	256.46

IES INDOOR REPORT

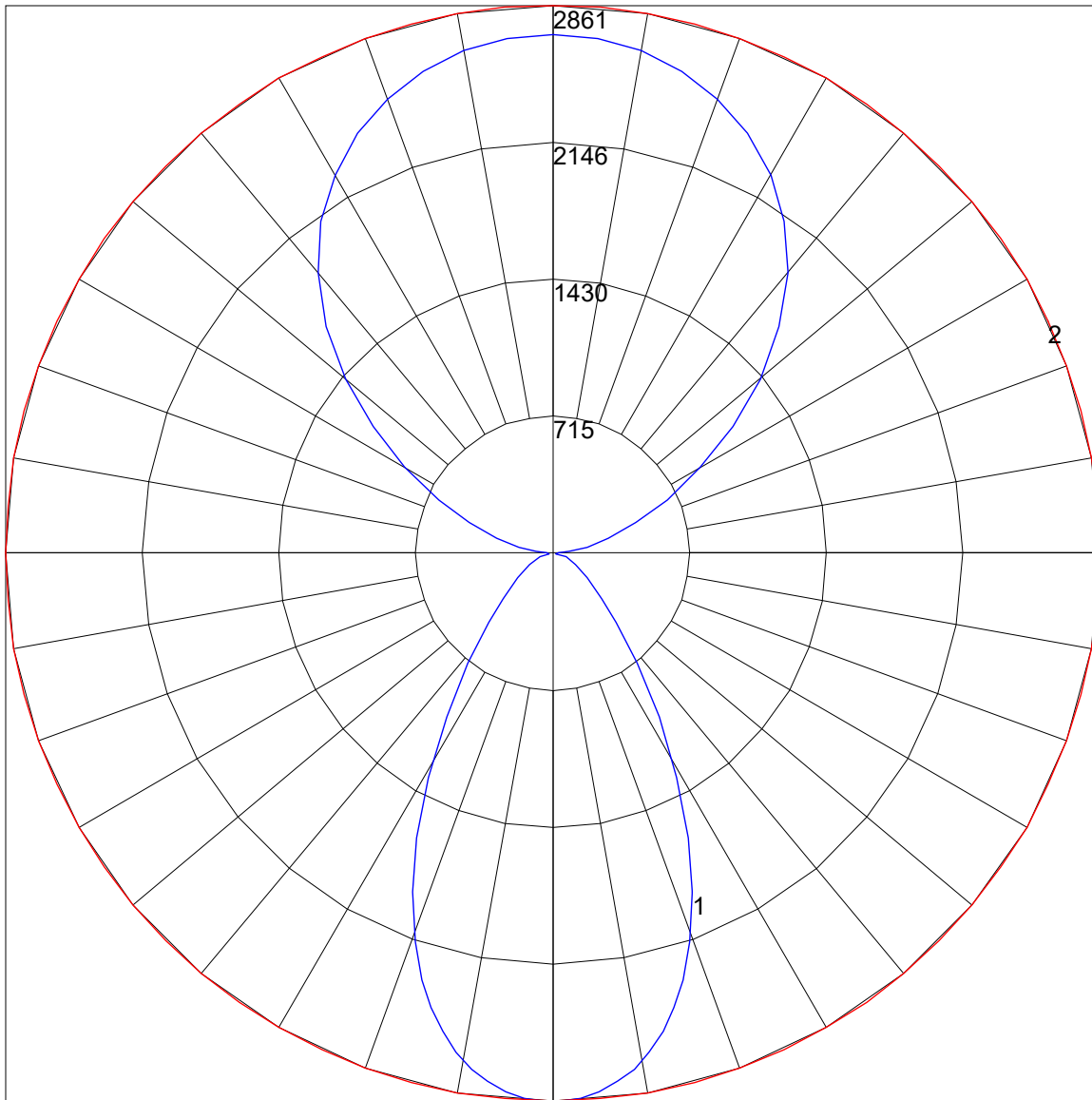
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U2S2_AL.IES

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	83	80	78	68	66	64	54	52	51	40	40	39	33
2	88	81	75	70	79	74	69	65	60	57	54	48	46	44	37	35	34	29
3	80	72	65	60	73	66	60	55	54	50	46	43	40	38	33	31	30	25
4	74	64	57	51	67	59	52	47	48	44	40	39	36	33	30	28	26	23
5	68	57	50	44	62	53	46	41	44	39	35	35	32	29	28	25	24	20
6	63	52	44	39	57	48	41	36	40	35	31	32	29	26	25	23	21	18
7	59	47	40	34	53	43	37	32	36	31	28	30	26	24	24	21	19	17
8	54	43	36	31	50	40	33	29	33	28	25	27	24	21	22	19	18	15
9	51	39	32	28	46	36	30	26	31	26	23	25	22	19	20	18	16	14
10	48	36	29	25	43	34	27	23	28	24	21	24	20	18	19	17	15	13

POLAR GRAPH



Maximum Candela = 2860.792 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)