

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U1S7-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	107	110	112	115
Total Lumens, 4' rail length (1219mm)	11396	11756	11996	12236
Lumens per foot (305mm)	2849	2939	2999	3059
Lumens per foot UP (305mm)	1644	1696	1731	1677
Lumens per foot DOWN (305mm)	1205	1243	1268	1229
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_U1S7_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031805805R01 (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-U1S7-AL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
 [MORE] symmetric lens up/80° 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	11996
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	107.19
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)	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	14036	18002	17162
55	7082	11130	11999
65	4041	6491	8643
75	2551	3834	6053
85	1142	1458	3102

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	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736
1.0	2717.532	2717.532	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736
3.0	2715.328	2715.328	2715.328	2715.328	2715.328	2715.328	2715.328	2715.328	2715.328	2715.328
5.0	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512
7.0	2693.288	2693.288	2693.288	2693.288	2693.288	2693.288	2693.288	2695.492	2695.492	2695.492
9.0	2675.656	2675.656	2675.656	2675.656	2675.656	2675.656	2677.860	2677.860	2677.860	2677.860
11.0	2653.616	2653.616	2653.616	2653.616	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820
13.0	2627.168	2627.168	2627.168	2627.168	2627.168	2629.372	2629.372	2629.372	2629.372	2631.576
15.0	2594.108	2594.108	2594.108	2596.312	2596.312	2596.312	2598.516	2598.516	2598.516	2598.516
17.0	2554.436	2554.436	2556.640	2556.640	2558.844	2558.844	2561.048	2561.048	2561.048	2561.048
19.5	2497.132	2497.132	2497.132	2499.336	2501.540	2503.744	2505.948	2505.948	2505.948	2505.948
22.5	2411.176	2411.176	2413.380	2415.584	2419.992	2422.196	2424.400	2426.604	2426.604	2424.400
25.5	2303.180	2303.180	2307.588	2311.996	2316.404	2323.016	2327.424	2329.628	2327.424	2325.220
29.0	2144.492	2146.696	2151.104	2159.920	2170.940	2179.756	2186.368	2190.776	2190.776	2186.368
33.0	1910.868	1915.276	1924.092	1939.520	1954.948	1972.580	1985.804	1996.824	1999.028	1996.824
37.5	1584.676	1589.084	1604.512	1626.552	1655.204	1683.856	1710.304	1730.140	1741.160	1741.160
42.5	1179.140	1185.752	1203.384	1232.036	1271.708	1311.380	1351.052	1384.112	1406.152	1417.172
47.5	804.460	811.072	828.704	857.356	894.824	938.904	982.984	1027.064	1060.124	1079.960
55.0	418.760	423.168	434.188	454.024	480.472	511.328	546.592	581.856	614.916	641.364
65.0	185.136	187.340	191.748	198.360	207.176	220.400	235.828	253.460	271.092	286.520
75.0	79.344	79.344	79.344	81.548	85.956	90.364	94.772	99.180	105.792	112.404
85.0	17.632	17.632	17.632	17.632	17.632	17.632	17.632	17.632	19.836	19.836
90.0	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204
95.0	61.712	61.712	61.712	63.916	63.916	63.916	63.916	66.120	66.120	66.120
100.0	165.300	165.300	165.300	165.300	167.504	169.708	169.708	171.912	174.116	176.320
105.0	290.928	290.928	293.132	295.336	297.540	301.948	304.152	308.560	312.968	317.376
110.0	449.616	451.820	451.820	456.228	458.432	465.044	469.452	476.064	482.676	489.288
115.0	639.160	639.160	643.568	645.772	652.384	656.792	665.608	674.424	683.240	692.056
120.0	857.356	857.356	861.764	866.172	870.580	879.396	888.212	897.028	908.048	919.068
125.0	1099.796	1102.000	1104.204	1108.612	1115.224	1124.040	1132.856	1143.876	1157.100	1170.324
130.0	1359.868	1359.868	1364.276	1368.684	1375.296	1384.112	1392.928	1406.152	1417.172	1430.396
135.0	1619.940	1622.144	1624.348	1628.756	1635.368	1644.184	1653.000	1664.020	1672.836	1683.856
140.0	1871.196	1871.196	1873.400	1877.808	1882.216	1888.828	1895.440	1904.256	1910.868	1917.480
145.0	2093.800	2093.800	2096.004	2098.208	2100.412	2104.820	2109.228	2113.636	2118.044	2122.452
150.0	2278.936	2278.936	2281.140	2281.140	2283.344	2285.548	2287.752	2289.956	2292.160	2296.568
155.0	2428.808	2428.808	2428.808	2428.808	2431.012	2431.012	2433.216	2435.420	2437.624	2439.828
160.0	2545.620	2545.620	2545.620	2547.824	2547.824	2547.824	2550.028	2552.232	2552.232	2554.436
165.0	2635.984	2635.984	2638.188	2638.188	2638.188	2640.392	2640.392	2642.596	2644.800	2644.800
170.0	2706.512	2706.512	2706.512	2706.512	2708.716	2708.716	2708.716	2710.920	2710.920	2713.124
175.0	2752.796	2752.796	2752.796	2752.796	2752.796	2755.000	2755.000	2755.000	2755.000	2755.000
180.0	2770.428	2770.428	2770.428	2770.428	2770.428	2770.428	2770.428	2770.428	2770.428	2770.428

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	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736
1.0	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736	2719.736
3.0	2715.328	2715.328	2715.328	2715.328	2715.328	2715.328	2715.328	2715.328	2715.328
5.0	2706.512	2706.512	2706.512	2706.512	2708.716	2708.716	2708.716	2708.716	2708.716
7.0	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492
9.0	2677.860	2677.860	2677.860	2677.860	2677.860	2677.860	2677.860	2677.860	2677.860
11.0	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820	2655.820
13.0	2629.372	2629.372	2629.372	2629.372	2629.372	2627.168	2627.168	2627.168	2627.168
15.0	2598.516	2598.516	2596.312	2596.312	2594.108	2594.108	2594.108	2591.904	2591.904

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CANDELA TABULATION - (Cont.)

17.0	2561.048	2558.844	2556.640	2556.640	2554.436	2552.232	2552.232	2550.028	2550.028
19.5	2503.744	2501.540	2499.336	2494.928	2492.724	2490.520	2486.112	2486.112	2483.908
22.5	2422.196	2415.584	2411.176	2404.564	2400.156	2395.748	2391.340	2389.136	2386.932
25.5	2320.812	2314.200	2305.384	2296.568	2287.752	2278.936	2274.528	2270.120	2267.916
29.0	2179.756	2168.736	2155.512	2142.288	2129.064	2118.044	2109.228	2104.820	2102.616
33.0	1985.804	1970.376	1952.744	1932.908	1915.276	1899.848	1886.624	1880.012	1877.808
37.5	1730.140	1712.508	1688.264	1666.224	1641.980	1622.144	1606.716	1597.900	1595.696
42.5	1410.560	1395.132	1373.092	1348.848	1324.604	1304.768	1289.340	1278.320	1273.912
47.5	1084.368	1077.756	1062.328	1042.492	1024.860	1007.228	994.004	987.392	982.984
55.0	658.996	667.812	670.016	665.608	658.996	652.384	645.772	643.568	641.364
65.0	304.152	317.376	326.192	335.008	339.416	341.620	341.620	341.620	341.620
75.0	121.220	127.832	134.444	138.852	143.260	145.464	147.668	147.668	147.668
85.0	22.040	22.040	24.244	24.244	26.448	26.448	26.448	26.448	26.448
90.0	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204
95.0	66.120	66.120	68.324	68.324	66.120	66.120	66.120	66.120	66.120
100.0	178.524	180.728	182.932	185.136	185.136	187.340	187.340	187.340	187.340
105.0	321.784	326.192	330.600	335.008	339.416	341.620	341.620	343.824	343.824
110.0	498.104	504.716	511.328	517.940	522.348	526.756	528.960	531.164	531.164
115.0	700.872	711.892	718.504	727.320	733.932	738.340	742.748	744.952	744.952
120.0	932.292	943.312	952.128	960.944	969.760	974.168	980.780	982.984	985.188
125.0	1181.344	1194.568	1205.588	1214.404	1221.016	1227.628	1234.240	1238.648	1240.852
130.0	1441.416	1452.436	1461.252	1470.068	1478.884	1485.496	1492.108	1496.516	1498.720
135.0	1694.876	1701.488	1710.304	1716.916	1723.528	1730.140	1738.956	1743.364	1745.568
140.0	1924.092	1930.704	1937.316	1943.928	1948.336	1954.948	1963.764	1968.172	1970.376
145.0	2126.860	2131.268	2137.880	2142.288	2148.900	2155.512	2159.920	2164.328	2166.532
150.0	2298.772	2303.180	2307.588	2311.996	2316.404	2323.016	2327.424	2331.832	2334.036
155.0	2442.032	2446.440	2448.644	2453.052	2457.460	2461.868	2466.276	2470.684	2470.684
160.0	2558.844	2561.048	2565.456	2567.660	2572.068	2574.272	2578.680	2580.884	2580.884
165.0	2647.004	2651.412	2653.616	2655.820	2658.024	2660.228	2662.432	2664.636	2664.636
170.0	2715.328	2717.532	2717.532	2719.736	2721.940	2721.940	2721.940	2724.144	2724.144
175.0	2757.204	2757.204	2757.204	2757.204	2757.204	2759.408	2759.408	2759.408	2759.408
180.0	2770.428	2770.428	2770.428	2770.428	2770.428	2770.428	2770.428	2770.428	2770.428

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	942.12	N.A.	7.90
0-30	1939.07	N.A.	16.20
0-40	2915.73	N.A.	24.30
0-60	4387.19	N.A.	36.60
0-80	4994.51	N.A.	41.60
0-90	5073.82	N.A.	42.30
10-90	4865.04	N.A.	40.60
20-40	1973.61	N.A.	16.50
20-50	2944.11	N.A.	24.50
40-70	1878.35	N.A.	15.70
60-80	607.32	N.A.	5.10
70-80	200.43	N.A.	1.70
80-90	79.31	N.A.	0.70
90-110	427.69	N.A.	3.60
90-120	1119.32	N.A.	9.30
90-130	2167.06	N.A.	18.10
90-150	4788.01	N.A.	39.90
90-180	6922.12	N.A.	57.70
110-180	6494.43	N.A.	54.10
0-180	11995.94	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	208.78
10-20	733.34
20-30	996.95
30-40	976.66
40-50	970.50
50-60	500.96
60-70	406.89
70-80	200.43
80-90	79.31
90-100	84.15
100-110	343.54
110-120	691.63
120-130	1047.74
130-140	1294.8
140-150	1326.15
150-160	1125.11
160-170	747.25
170-180	261.75

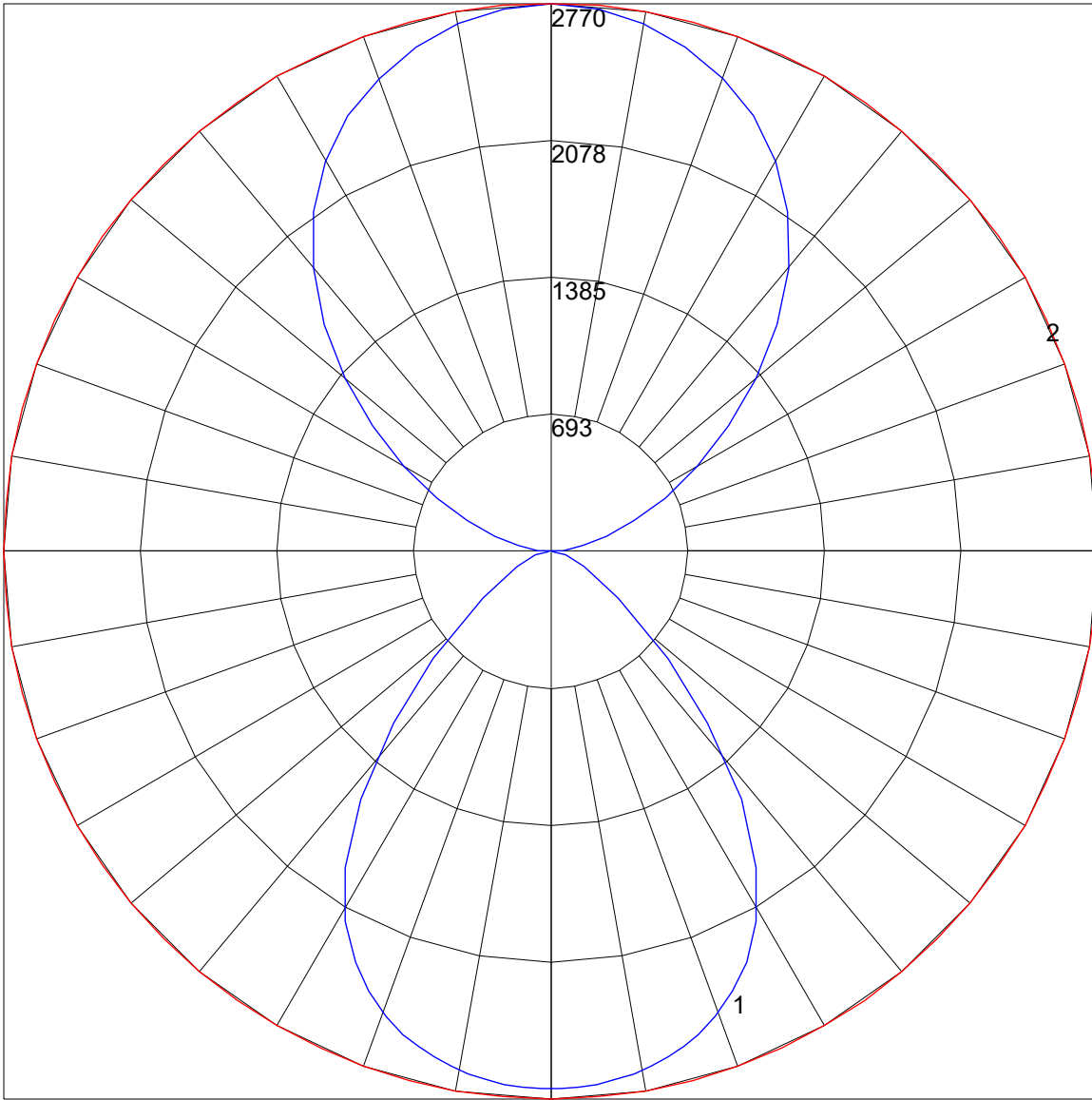
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42	0
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	44	43	42	37	0
2	88	82	76	71	81	75	70	66	62	59	56	50	48	46	40	38	37	32	0
3	81	72	65	60	74	66	60	56	55	51	47	45	42	40	36	34	32	28	0
4	74	64	57	51	68	59	53	48	50	45	41	41	37	34	32	30	28	24	0
5	69	58	50	44	63	53	46	41	45	40	36	37	33	30	29	27	25	22	0
6	63	52	44	39	58	48	41	36	40	35	32	33	30	27	27	24	22	19	0
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	25	22	20	17	0
8	55	43	35	30	50	40	33	29	34	29	25	28	24	22	23	20	18	16	0
9	51	39	32	27	47	36	30	26	31	26	23	26	22	19	21	18	16	14	0
10	48	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13	0

POLAR GRAPH



Maximum Candela = 2770.428 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.)