

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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	95	98	100	102
Total Lumens, 4' rail length (1219mm)	10117	10436	10649	10862
Lumens per foot (305mm)	2529	2609	2662	2716
Lumens per foot UP (305mm)	1531	1580	1612	1562
Lumens per foot DOWN (305mm)	998	1029	1050	1018
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

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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_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805811 (SOURCE RPEORT 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-BL

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

[MORE] symmetric lens up/80° 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	10649
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
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	12087	14840	13877
55	5628	8491	7958
65	2550	4344	4517
75	1276	2180	2710
85	428	810	1292

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	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420
1.0	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420
3.0	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012
5.0	2422.196	2422.196	2422.196	2422.196	2422.196	2422.196	2422.196	2422.196	2422.196	2422.196
7.0	2408.972	2408.972	2408.972	2408.972	2408.972	2408.972	2408.972	2408.972	2408.972	2408.972
9.0	2391.340	2391.340	2389.136	2391.340	2389.136	2389.136	2389.136	2389.136	2389.136	2389.136
11.0	2367.096	2367.096	2367.096	2367.096	2367.096	2367.096	2367.096	2367.096	2367.096	2367.096
13.0	2340.648	2340.648	2338.444	2338.444	2338.444	2338.444	2338.444	2338.444	2338.444	2338.444
15.0	2307.588	2307.588	2307.588	2307.588	2307.588	2305.384	2305.384	2305.384	2305.384	2303.180
17.0	2267.916	2267.916	2267.916	2267.916	2267.916	2267.916	2267.916	2267.916	2265.712	2265.712
19.5	2210.612	2210.612	2210.612	2210.612	2210.612	2210.612	2210.612	2210.612	2208.408	2208.408
22.5	2126.860	2126.860	2126.860	2129.064	2129.064	2131.268	2131.268	2129.064	2129.064	2126.860
25.5	2023.272	2023.272	2025.476	2027.680	2029.884	2032.088	2034.292	2034.292	2032.088	2029.884
29.0	1875.604	1875.604	1880.012	1884.420	1888.828	1895.440	1897.644	1899.848	1899.848	1895.440
33.0	1664.020	1666.224	1672.836	1681.652	1692.672	1701.488	1710.304	1716.916	1719.120	1714.712
37.5	1377.500	1379.704	1390.724	1403.948	1421.580	1441.416	1459.048	1470.068	1478.884	1478.884
42.5	1020.452	1024.860	1038.084	1057.920	1084.368	1110.816	1137.264	1161.508	1174.732	1181.344
47.5	687.648	689.852	705.280	725.116	751.564	782.420	813.276	844.132	866.172	877.192
55.0	332.804	335.008	343.824	359.252	376.884	401.128	425.372	451.820	473.860	489.288
65.0	116.812	119.016	121.220	127.832	136.648	145.464	156.484	169.708	180.728	191.748
75.0	39.672	39.672	39.672	41.876	44.080	48.488	50.692	55.100	59.508	63.916
85.0	6.612	6.612	6.612	6.612	6.612	8.816	8.816	8.816	8.816	11.020
90.0	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204
95.0	52.896	55.100	55.100	55.100	55.100	55.100	57.304	57.304	57.304	57.304
100.0	138.852	141.056	141.056	141.056	143.260	145.464	147.668	149.872	154.280	156.484
105.0	251.256	251.256	253.460	255.664	257.868	262.276	266.684	271.092	277.704	282.112
110.0	392.312	392.312	394.516	398.924	403.332	409.944	416.556	423.168	431.984	440.800
115.0	566.428	566.428	568.632	573.040	579.652	586.264	597.284	606.100	617.120	628.140
120.0	769.196	769.196	773.604	778.012	786.828	795.644	804.460	817.684	830.908	844.132
125.0	1000.616	1002.820	1005.024	1011.636	1020.452	1029.268	1040.288	1053.512	1068.940	1082.164
130.0	1251.872	1251.872	1256.280	1262.892	1269.504	1280.524	1291.544	1304.768	1317.992	1331.216
135.0	1507.536	1509.740	1511.944	1516.352	1525.168	1533.984	1542.800	1553.820	1564.840	1575.860
140.0	1752.180	1752.180	1754.384	1758.792	1763.200	1769.812	1778.628	1785.240	1794.056	1800.668
145.0	1965.968	1965.968	1968.172	1970.376	1974.784	1979.192	1983.600	1988.008	1994.620	1999.028
150.0	2146.696	2146.696	2146.696	2148.900	2151.104	2153.308	2157.716	2159.920	2164.328	2166.532
155.0	2292.160	2292.160	2292.160	2294.364	2294.364	2296.568	2298.772	2300.976	2303.180	2305.384
160.0	2406.768	2408.972	2408.972	2408.972	2408.972	2411.176	2411.176	2413.380	2415.584	2415.584
165.0	2497.132	2497.132	2497.132	2497.132	2497.132	2499.336	2499.336	2501.540	2501.540	2503.744
170.0	2561.048	2561.048	2561.048	2561.048	2563.252	2563.252	2563.252	2563.252	2565.456	2565.456
175.0	2602.924	2602.924	2602.924	2602.924	2602.924	2602.924	2602.924	2602.924	2602.924	2602.924
180.0	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352

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	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420
1.0	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420	2435.420
3.0	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012	2431.012
5.0	2422.196	2422.196	2422.196	2422.196	2422.196	2422.196	2422.196	2422.196	2422.196
7.0	2408.972	2406.768	2406.768	2406.768	2406.768	2406.768	2406.768	2406.768	2406.768
9.0	2389.136	2389.136	2389.136	2389.136	2389.136	2389.136	2389.136	2386.932	2386.932
11.0	2364.892	2364.892	2364.892	2364.892	2364.892	2362.688	2362.688	2362.688	2362.688
13.0	2336.240	2336.240	2336.240	2334.036	2334.036	2334.036	2334.036	2331.832	2331.832
15.0	2303.180	2303.180	2300.976	2298.772	2298.772	2298.772	2296.568	2296.568	2296.568

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CANDELA TABULATION - (Cont.)

17.0	2263.508	2261.304	2259.100	2259.100	2256.896	2254.692	2254.692	2252.488	2254.692
19.5	2206.204	2201.796	2199.592	2197.388	2195.184	2192.980	2190.776	2188.572	2188.572
22.5	2122.452	2118.044	2113.636	2109.228	2104.820	2102.616	2100.412	2098.208	2096.004
25.5	2023.272	2018.864	2012.252	2005.640	1999.028	1994.620	1990.212	1988.008	1985.804
29.0	1888.828	1882.216	1873.400	1862.380	1853.564	1844.748	1840.340	1835.932	1833.728
33.0	1708.100	1697.080	1683.856	1670.632	1657.408	1644.184	1635.368	1630.960	1628.756
37.5	1470.068	1456.844	1441.416	1421.580	1403.948	1388.520	1375.296	1368.684	1366.480
42.5	1176.936	1163.712	1143.876	1121.836	1102.000	1082.164	1068.940	1060.124	1057.920
47.5	877.192	868.376	850.744	830.908	808.868	791.236	775.808	769.196	766.992
55.0	495.900	493.696	484.880	471.656	456.228	443.004	434.188	427.576	425.372
65.0	196.156	198.360	198.360	193.952	189.544	185.136	180.728	178.524	178.524
75.0	66.120	68.324	70.528	68.324	68.324	68.324	66.120	66.120	66.120
85.0	11.020	11.020	11.020	11.020	11.020	11.020	11.020	11.020	11.020
90.0	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204	2.204
95.0	59.508	59.508	59.508	59.508	59.508	59.508	59.508	59.508	59.508
100.0	158.688	160.892	165.300	165.300	167.504	169.708	169.708	169.708	167.504
105.0	288.724	293.132	299.744	304.152	306.356	308.560	310.764	310.764	310.764
110.0	449.616	458.432	465.044	471.656	476.064	480.472	482.676	482.676	482.676
115.0	639.160	650.180	658.996	667.812	674.424	678.832	681.036	683.240	683.240
120.0	857.356	870.580	881.600	890.416	897.028	901.436	905.844	908.048	908.048
125.0	1097.592	1110.816	1121.836	1130.652	1137.264	1141.672	1146.080	1148.284	1150.488
130.0	1344.440	1357.664	1366.480	1375.296	1381.908	1388.520	1390.724	1395.132	1395.132
135.0	1584.676	1595.696	1604.512	1611.124	1617.736	1622.144	1626.552	1630.960	1630.960
140.0	1809.484	1816.096	1822.708	1827.116	1833.728	1838.136	1842.544	1844.748	1846.952
145.0	2003.436	2010.048	2014.456	2018.864	2023.272	2027.680	2029.884	2034.292	2034.292
150.0	2170.940	2175.348	2177.552	2181.960	2184.164	2188.572	2192.980	2195.184	2195.184
155.0	2307.588	2309.792	2314.200	2316.404	2318.608	2323.016	2325.220	2327.424	2327.424
160.0	2417.788	2419.992	2422.196	2426.604	2428.808	2431.012	2431.012	2433.216	2433.216
165.0	2503.744	2505.948	2508.152	2510.356	2510.356	2512.560	2514.764	2514.764	2514.764
170.0	2565.456	2567.660	2567.660	2569.864	2569.864	2569.864	2572.068	2572.068	2572.068
175.0	2605.128	2605.128	2605.128	2605.128	2605.128	2605.128	2605.128	2605.128	2605.128
180.0	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352	2618.352

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	837.21	N.A.	7.90
0-30	1710.61	N.A.	16.10
0-40	2554.1	N.A.	24.00
0-60	3762.48	N.A.	35.30
0-80	4161.91	N.A.	39.10
0-90	4201.28	N.A.	39.50
10-90	4014.63	N.A.	37.70
20-40	1716.89	N.A.	16.10
20-50	2531.84	N.A.	23.80
40-70	1491.88	N.A.	14.00
60-80	399.43	N.A.	3.80
70-80	115.94	N.A.	1.10
80-90	39.37	N.A.	0.40
90-110	380.20	N.A.	3.60
90-120	1007.23	N.A.	9.50
90-130	1974.44	N.A.	18.50
90-150	4432.07	N.A.	41.60
90-180	6448.00	N.A.	60.50
110-180	6067.81	N.A.	57.00
0-180	10649.29	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	186.66
10-20	650.55
20-30	873.40
30-40	843.49
40-50	814.94
50-60	393.44
60-70	283.49
70-80	115.94
80-90	39.37
90-100	74.30
100-110	305.89
110-120	627.03
120-130	967.22
130-140	1210.12
140-150	1247.51
150-160	1062.05
160-170	706.50
170-180	247.38

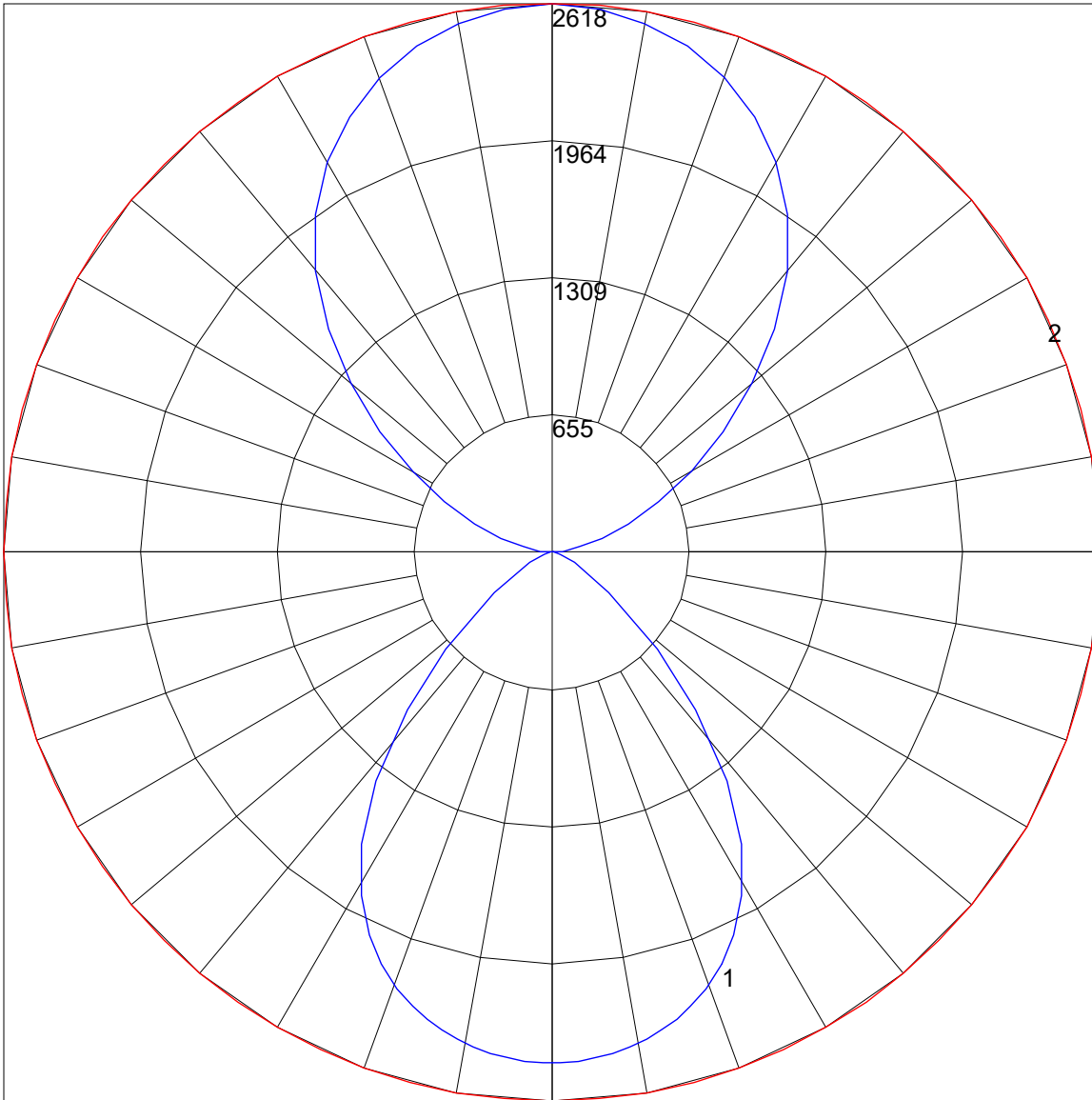
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	95	95	95	77	77	77	61	61	61	46	46	46	39	0
1	96	92	89	85	87	84	81	78	69	67	65	55	54	52	42	41	41	35	0
2	88	81	76	71	80	74	70	66	61	58	55	49	47	45	38	37	35	30	0
3	81	72	65	60	74	66	60	56	55	51	47	44	41	39	34	33	31	27	0
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	31	29	27	24	0
5	69	58	50	45	62	53	47	42	44	39	36	36	33	30	29	26	24	21	0
6	63	52	44	39	58	48	41	36	40	35	32	33	29	27	26	24	22	19	0
7	59	47	40	34	53	44	37	32	37	32	28	30	27	24	24	22	20	17	0
8	55	43	36	31	50	40	33	29	34	29	25	28	24	21	22	20	18	15	0
9	51	39	32	27	46	36	30	26	31	26	23	26	22	19	21	18	16	14	0
10	48	36	29	25	43	33	27	23	28	24	20	24	20	18	19	17	15	13	0

POLAR GRAPH



Maximum Candela = 2618.352 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.)