

IES Report

ZipTwo® | 707 | Ceiling Cable | Round 3515, Diffuse | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-S4-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	127	131	134	134
Total Lumens, 4' rail length (1219mm)	3315	3419	3489	3489
Lumens per foot (305mm)	829	855	872	872
Input Power (W), 4' rail length (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
CRI	82	82	82	82

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_Z2_CC_SO_35_S4_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911531 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 5/12/2021

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-CC-Z-SO-35-S4-WH

[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board,

[MORE] round 3515, diffuse (WH) lens, standard output, white painted finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3489
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.11 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	25754	25104	24544
55	26100	24819	23786
65	27489	24838	22482
75	32508	26814	19970
85	64854	46066	16597

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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	1049.151	1049.151	1049.151	1049.151	1049.151	1049.151	1049.151	1049.151	1049.151	1049.151
5	1046.253	1046.300	1046.193	1046.193	1046.145	1046.145	1046.098	1046.050	1046.050	1046.253
10	1034.945	1034.945	1035.005	1034.849	1034.849	1034.694	1034.504	1034.348	1034.193	1034.003
15	1016.051	1016.051	1015.896	1015.753	1015.550	1015.204	1014.798	1014.608	1014.202	1013.856
20	988.652	988.760	988.509	988.354	987.805	987.304	986.708	986.052	985.360	984.609
25	953.763	953.656	953.357	952.964	952.057	951.413	950.507	949.457	948.407	947.358
30	911.168	911.073	910.667	910.071	909.116	908.019	906.719	905.264	903.713	902.317
35	861.679	861.679	860.975	860.176	858.923	857.480	855.727	853.973	852.029	850.073
40	806.285	805.987	805.283	804.234	802.635	800.834	798.639	796.385	793.832	791.339
45	745.094	744.796	743.890	742.446	740.443	737.997	735.337	732.391	729.242	726.296
50	680.003	679.598	678.453	676.604	674.099	670.950	667.455	663.805	659.702	656.100
55	612.515	612.109	610.606	608.412	605.310	601.410	597.008	592.416	587.466	582.468
60	543.917	543.416	541.567	538.669	534.971	530.021	524.677	518.773	512.522	506.224
65	475.331	474.532	472.575	469.128	464.584	458.882	452.286	445.081	437.292	429.492
70	408.343	407.544	405.039	401.496	396.391	389.795	382.197	373.692	364.400	354.751
75	344.254	343.455	340.795	336.704	330.907	323.750	315.352	305.750	295.206	283.958
80	284.161	283.362	280.511	276.157	270.062	262.309	253.315	243.117	231.522	219.213
85	231.272	230.365	227.419	223.066	216.768	208.919	199.567	188.975	177.023	164.272
90	182.379	181.580	178.777	174.423	168.328	160.479	151.533	141.132	129.526	117.133
95	140.178	139.379	136.886	132.783	127.176	119.829	111.479	101.889	91.392	80.144
100	104.883	104.191	101.984	98.239	93.182	86.884	79.584	71.246	62.193	52.793
105	76.291	75.695	73.691	70.590	66.344	61.143	55.048	48.249	40.997	33.697
110	53.891	53.390	51.791	49.346	45.899	41.748	37.144	31.800	26.444	21.101
115	36.893	36.500	35.295	33.398	30.846	27.792	24.393	20.647	16.950	13.300
120	24.596	24.345	23.450	22.198	20.397	18.202	15.900	13.443	11.093	8.851
125	16.294	16.151	15.554	14.743	13.598	12.202	10.747	9.244	7.896	6.704
130	11.200	11.093	10.699	10.151	9.554	8.648	7.944	7.097	6.346	5.749
135	8.302	8.195	8.099	7.753	7.455	7.049	6.644	6.203	5.845	5.451
140	7.097	7.002	6.894	6.799	6.596	6.405	6.047	5.797	5.547	5.248
145	6.501	6.501	6.501	6.405	6.250	6.047	5.749	5.547	5.356	5.201
150	6.203	6.155	6.095	6.095	5.845	5.749	5.547	5.403	5.356	5.248
155	5.904	5.904	5.904	5.749	5.594	5.547	5.451	5.451	5.356	0.000
160	5.797	5.702	5.654	5.547	5.499	5.451	5.451	5.403	5.248	0.000
165	5.499	5.547	5.451	5.403	5.403	5.403	5.403	5.356	0.000	0.000
170	5.403	5.403	5.403	5.403	5.403	5.403	5.356	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	1049.151	1049.151	1049.151	1049.151	1049.151	1049.151	1049.151	1049.151	1049.151
5	1046.098	1046.002	1045.895	1045.895	1045.895	1045.895	1045.847	1045.895	1046.050
10	1033.848	1033.645	1033.597	1033.502	1033.299	1033.251	1033.299	1032.953	1033.144
15	1013.403	1012.950	1012.604	1012.306	1012.007	1011.697	1011.602	1011.554	1011.554
20	983.905	983.201	982.557	982.056	981.460	980.851	980.661	980.661	980.362
25	946.260	945.211	944.113	943.207	942.407	941.918	941.310	941.262	941.167
30	900.815	899.264	897.964	896.771	895.721	894.970	894.266	893.872	893.765
35	847.926	846.232	844.431	842.773	841.532	840.578	839.779	839.278	839.183
40	788.787	786.532	784.385	782.381	780.831	779.590	778.588	777.885	777.885
45	723.195	720.248	717.744	715.501	713.545	712.102	710.945	710.241	710.098
50	652.259	648.800	645.651	642.907	640.653	638.709	637.504	636.860	636.609
55	577.768	573.319	569.467	566.067	563.324	561.117	559.566	558.564	558.218
60	500.081	494.475	489.334	485.028	481.533	478.730	476.631	475.581	475.235

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CANDELA TABULATION - (Cont.)

65	421.536	414.140	407.592	401.842	397.143	393.493	390.845	389.199	388.745
70	345.101	335.403	326.457	318.203	311.655	306.562	302.852	300.609	299.858
75	272.316	260.615	249.116	238.071	228.767	221.217	215.622	212.569	211.472
80	206.223	193.126	179.576	165.871	153.633	142.778	134.786	130.182	128.584
85	150.376	136.087	121.427	106.290	92.192	79.035	67.644	61.048	59.187
90	103.630	89.782	75.635	60.940	47.450	34.448	22.651	12.954	7.205
95	68.085	55.942	43.895	31.895	21.447	12.393	5.499	1.897	1.598
100	42.941	33.351	24.297	16.043	9.554	4.855	2.302	1.801	0.000
105	26.301	19.443	13.443	8.350	4.950	2.851	2.254	0.000	0.000
110	16.043	11.546	7.849	5.046	3.495	2.803	2.445	0.000	0.000
115	10.043	7.395	5.403	4.056	3.399	0.000	0.000	0.000	0.000
120	7.049	5.547	4.545	3.948	0.000	0.000	0.000	0.000	0.000
125	5.654	4.950	4.449	0.000	0.000	0.000	0.000	0.000	0.000
130	5.248	4.795	4.401	0.000	0.000	0.000	0.000	0.000	0.000
135	5.105	4.747	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	5.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	385.63	N.A.	11.10
0-30	822.35	N.A.	23.60
0-40	1354.37	N.A.	38.80
0-60	2437.45	N.A.	69.90
0-80	3162.36	N.A.	90.60
0-90	3334.53	N.A.	95.60
10-90	3235.07	N.A.	92.70
20-40	968.74	N.A.	27.80
20-50	1529.58	N.A.	43.80
40-70	1509.97	N.A.	43.30
60-80	724.91	N.A.	20.80
70-80	298.02	N.A.	8.50
80-90	172.17	N.A.	4.90
90-110	123.85	N.A.	3.50
90-120	140.49	N.A.	4.00
90-130	147.36	N.A.	4.20
90-150	152.81	N.A.	4.40
90-180	154.80	N.A.	4.40
110-180	30.95	N.A.	0.90
0-180	3489.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.46
10-20	286.17
20-30	436.72
30-40	532.02
40-50	560.84
50-60	522.24
60-70	426.90
70-80	298.02
80-90	172.17
90-100	84.75
100-110	39.10
110-120	16.64
120-130	6.87
130-140	3.41
140-150	2.04
150-160	1.27
160-170	0.65
170-180	0.07

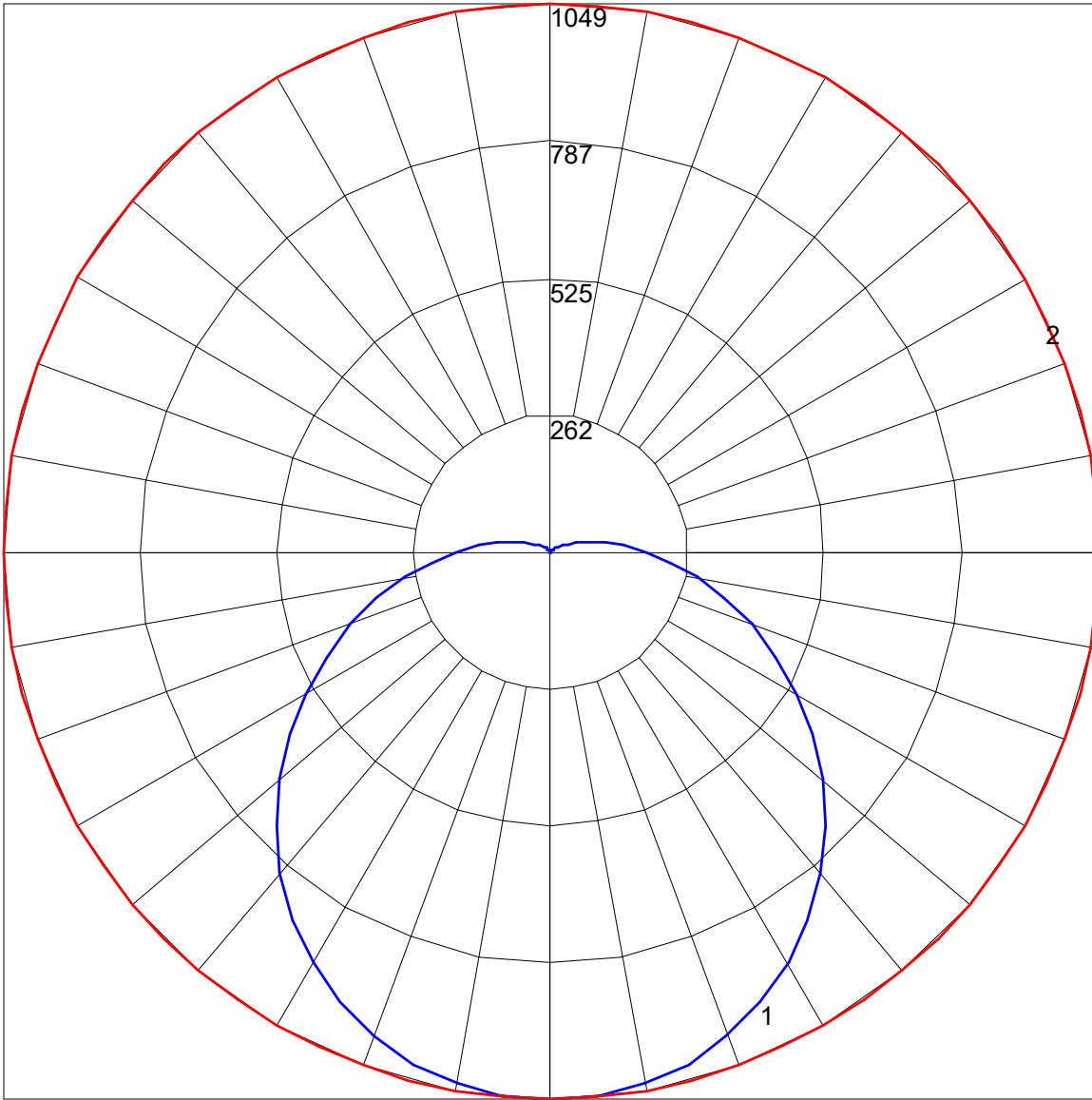
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	106	101	96	91	103	98	93	89	93	89	86	88	85	82	84	81	79	77
2	96	87	79	73	93	85	78	72	80	75	70	76	72	67	73	69	65	63
3	87	76	67	60	84	74	66	59	70	63	58	67	61	56	64	59	55	52
4	80	67	58	51	77	65	57	50	62	55	49	59	53	48	57	51	47	44
5	73	60	50	43	71	58	49	43	56	48	42	53	46	41	51	45	40	38
6	67	54	44	38	65	52	44	37	50	42	37	48	41	36	46	40	35	33
7	62	48	39	33	60	47	39	33	45	38	32	44	37	32	42	36	31	29
8	58	44	35	29	56	43	35	29	42	34	29	40	33	28	38	32	28	26
9	54	40	32	26	53	40	32	26	38	31	26	37	30	25	35	30	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1049.151 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)